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SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCC) FOR UOLK

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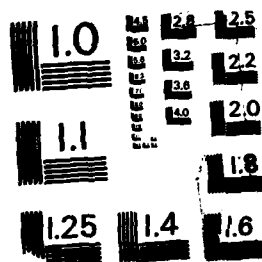
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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

VOLK FIELD ANGB WI

PREPARED BY

DL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

MAY 1989

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SCOTT AIR FORCE AFB, ILLINOIS, 62225-5438

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REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-89/203, SURFACE OBSERVATION CLIMATIC SUMMARIES FOR VOLK FIELD ANGB WI, MAY 1988, HAS BEEN REVIEWED AND IS APPROVED FOR PUBLIC RELEASE. THERE IS NO OBJECTION TO UNLIMITED DISTRIBUTION OF THIS DOCUMENT TO THE PUBLIC AT LARGE, OR BY THE DEFENSE TECH INFORMATION CENTER (DTIC) TO THE NATIONAL TECHNICAL INFORMATION (NTIS).

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FOR THE COMMANDER

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WALTER S. BURGMANN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER



# REVIEW AND APPROVAL STATEMENT

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INFORMATION



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Justification	
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Availability Codes	
Dist	Avail and/or Special
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REPORT DOCUMENTATION PAGE

- 1A. REPORT SECURITY CLASSIFICATION: UNCLASSIFIED
3. DISTRIBUTION/AVAILABILITY OF REPORT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED
4. PERFORMING ORGANIZATION REPORT NUMBER: USAFETAC/DS-89/203
- 6A. NAME OF PERFORMING ORGANIZATION: OPERATING LOCATION A, USAFETAC
- 6B. OFFICE SYMBOL: CA
- 6C. ADDRESS: FEDERAL BUILDING, ASHEVILLE, NC 28801-2723
11. TITLE: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR VOLK FIELD ANGB WISCONSIN
- 13A. TYPE OF REPORT: DATA SUMMARY
- 13B. TIME COVERED: JUNE 1964 TO AUGUST 1988
14. DATE OF REPORT: MAY 1989
15. PAGE COUNT: 375
16. SUPPLEMENTARY NOTATION: EFFECTIVE 1 JULY 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE REPLACED BY A SOCS.
17. COSATI CODES: FIELD--04, GROUP--02
18. SUBJECT TERMS: *atmospheric* \*CLIMATOLOGY; METEOROLOGICAL DATA; ATMOSPHERIC PHENOMENA; WEATHER; CEILING; CLOUD COVER; SNOW DEPTH; HUMIDITY; PRESSURE; PRECIPITATION; SNOW; TEMPERATURE; VISIBILITY; WIND, SOCS, VOLK FIELD ANGB WISCONSIN, *National Guard, 2nd Div, 2nd Bde, 2nd Bn, 2nd Co, 2nd Pl, 2nd Sq, 2nd Troop, 2nd Det, 2nd Flt, 2nd Grp, 2nd Bn, 2nd Co, 2nd Pl, 2nd Sq, 2nd Troop, 2nd Det, 2nd Flt, 2nd Grp*
19. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN, AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). SUMMARY OF DAY\* (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A CLIMATIC DATABASE. *Keywords*
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
21. ABSTRACT SECURITY CLASSIFICATION: UNCLASSIFIED
- 22A. NAME OF RESPONSIBLE INDIVIDUAL: WILLIAM R. BOBB
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DD FORM 1473

## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARY (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARY" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: AUG 73 - JUL 88 (AIRWAYS).

SUMMARY OF DAY DATA: OCT 66 - APR 71 (FULL TIME).

SUMMARY OF DAY DATA: JUN 64 - SEP 66, MAY 71 - AUG 88 (PART TIME- CLOSED WEEKENDS/HOLIDAYS)

HOURS SUMMARIZED: 0700 LST THROUGH 1700 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

**PRECIPITATION:** A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

**STANDARD DEVIATION:** A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

**TIME CONVENTIONS:** ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

**ABBREVIATIONS USED:**

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EJ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBS	OBSTRUCTION
FRZG	FREEZING	PDF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WRAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

**SUMMARY DESCRIPTION:** A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988



STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL
726436	VOLK FIELD/CAMP DOUGLAS, WI	N 43 56	W 090 16	910	KVOK

# STATION LOCATION AND INSTRUMENTATION HISTORY

NMRR OF LOC	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEV A FLD (FT)
			FROM	TO			
1	VOLK FIELD/CAMP DOUGLAS, WI	AAF	JUN 64	SEP 66	N 43 56	W 090 16	925
2	SAME	AAF	OCT 66	APR 71	SAME	SAME	SAME
3	SAME	AAF	MAY 71	FEB 76	SAME	SAME	SAME
4	SAME	AAF	FEB 76	APR 82	SAME	SAME	915
5	SAME	AAF	APR 82	MAR 89	SAME	SAME	910

\*VERY SPORADIC, CLOSED  
WEEKENDS AND HOLIDAYS. SOME  
SPOTTY EARLIER SUMMER  
MONTHS.

NMRR OF LOC	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, MENT, OR
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	JUN 64	NE OF RWY, 4500' FROM RDS	AN/GMQ-11	RD-2	12 FT	
2	APR 68	500' N OF RWY CTRLN	SAME	SAME	SAME	
3	DEC 78	SAME	SAME	SAME	SAME	
4	MAR 89	SAME	SAME	SAME	12 FT	

STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
IP DOUGLAS, WI	N 43 56	W 090 16	910	KVOK	

#### STATION LOCATION AND INSTRUMENTATION HISTORY

S NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEV ABOVE MSL		OBS PER DAY
		FROM	TO			FLD (FT)	BARO (FT)	
S, WI	AAF	JUN 64	SEP 66	N 43 56	W 090 16	925	ANEROID	15*
	AAF	OCT 66	APR 71	SAME	SAME	SAME	SAME	24
	AAF	MAY 71	FEB 76	SAME	SAME	SAME	SAME	13*
	AAF	FEB 76	APR 82	SAME	SAME	915	SAME	10*
	AAF	APR 82	MAR 89	SAME	SAME	910	SAME	10*

SOME

#### WIND EQUIPMENT INFORMATION

LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
500' FROM ROS	AN/GMO-11	RD-2	12 FT	
Y CTRLN	SAME	SAME	SAME	
	SAME	SAME	SAME	
	SAME	SAME	12 FT	

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS REPORT (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	ALL OBST TO VSN
00-02											
03-05											
06-08		1.0	.7	15.8		17.5	16.5	2.9	2.2		39.0
09-11		1.2	1.0	17.7		19.9	13.7	3.7	2.6		39.9
12-14		1.4	.9	17.0		19.3	10.2	3.0	2.1		34.5
15-17		1.4	.4	16.2		18.0	9.1	3.8	2.2		33.1
18-20											
21-23											
ALL HOURS		1.3	.8	16.9		18.9	11.9	3.4	2.3		36.5

MONTH: FEB

00-02											
03-05											
06-08		1.8	2.0	12.6		16.3	22.7	4.8	.9		44.7
09-11		2.5	.9	17.3		20.7	18.9	6.5	.9		46.9
12-14		2.6	.1	13.4		16.1	11.4	7.1	1.3		35.9
15-17		2.7	.3	11.9		14.9	9.8	6.3	.8		31.9
18-20											
21-23											
ALL HOURS		2.5	.7	14.2		17.3	15.0	6.4	1.0		39.7

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
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								0
								0
15.8		17.5	16.5	2.9	2.2		39.0	418
17.7		19.9	13.7	3.7	2.6		39.9	1011
17.0		19.3	10.2	3.0	2.1		34.5	1011
16.2		18.0	9.1	3.8	2.2		33.1	728

								0
								0
16.9		18.9	11.9	3.4	2.3		36.5	3153

MONTH: FEB

								0
								0
12.6		16.3	22.7	4.8	.9		44.7	454
17.3		20.7	18.9	6.5	.9		46.9	976
13.4		16.1	11.4	7.1	1.3		35.9	974
11.9		14.9	9.8	6.3	.8		31.9	731

								0
								0
14.2		17.3	15.0	6.4	1.0		39.7	3135

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIR	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN
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00-02

03-05

06-08	.3	5.3	.5	8.5		14.3	21.9	4.0	1.0		41.2
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09-11		4.4	.6	8.8		13.8	16.3	4.0	.7		34.8
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12-14	.1	6.0	1.1	7.6		14.7	11.5	3.8	.5		30.5
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15-17		6.4	.9	9.3		16.6	9.9	3.7	1.0		31.2
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18-20

21-23

ALL HOURS	.1	5.5	.8	8.5		14.8	14.0	3.9	.7		33.4
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MONTH: APR

00-02

03-05

06-08		11.1		4.8		15.9	15.7	3.2	.5		35.3
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09-11	.4	10.2		3.6		13.8	9.3	2.1	.5		25.8
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12-14	.4	10.4		2.9		13.3	5.6	1.6	.1		20.6
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15-17	.7	10.7		3.4		14.1	4.8	.7	.7		20.2
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18-20

21-23

ALL HOURS	.4	10.5		3.5		14.0	8.1	1.8	.4		24.4
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PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR

DOZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
								0
								0
1.2		14.3	21.9	4.0	1.0		41.2	398
1.4		13.8	16.3	4.0	.7		34.8	1024
1.6		14.7	11.5	3.8	.5		30.5	1034
1.8		16.6	9.9	3.7	1.0		31.2	669
								0
								0
2.5		14.8	14.0	3.9	.7		33.4	3125

MONTH: APR

								0
								0
1.4		15.9	15.7	3.2	.5		35.3	433
1.6		13.8	9.3	2.1	.5		25.8	977
1.9		13.3	5.6	1.6	.1		20.6	994
1.4		14.1	4.8	.7	.7		20.2	589
								0
								0
2.5		14.0	8.1	1.8	.4		24.4	2993

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	T NO
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00-02

03-05

06-08	.3	7.2		.1		7.3	13.3	6.1			26.8	
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09-11	.4	6.8				6.8	6.9	3.9			17.6	
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12-14	.3	7.7				7.7	3.9	4.1			15.7	
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15-17	1.9	6.0				6.0	3.2	3.9			13.2	
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18-20

21-23

ALL HOURS	.6	7.1		.0		7.1	6.5	4.4			16.3	
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MONTH: JUN

00-02

03-05

06-08	.9	6.7				6.7	11.7	8.0		.3	26.7	
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09-11	.8	7.0				7.0	8.1	7.2		.2	22.5	
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12-14	2.0	6.1				6.1	4.6	5.0			15.7	
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15-17	1.8	5.7				5.7	2.9	5.3			13.9	
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18-20

21-23

ALL HOURS	1.4	6.4				6.4	6.7	6.3		.1	19.6	
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PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY

FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
									0
									0
.1			7.3	13.3	6.1			26.8	668
			6.8	6.9	3.9			17.6	1029
			7.7	3.9	4.1			15.7	1024
			6.0	3.2	3.9			13.2	463
									0
									0
.0			7.1	6.8	4.4			16.3	3184

MONTH: JUN

									0
									0
			6.7	11.7	8.0		.3	26.7	776
			7.0	8.1	7.2		.2	22.5	1187
			6.1	4.6	5.0			15.7	1193
			5.7	2.9	5.3			13.9	770
									0
									0
			6.4	6.7	6.3		.1	19.6	3931

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN
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00-02

03-05

06-08	1.6	4.9				4.9	14.3	15.6			34.8
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09-11	2.0	4.7				4.7	5.7	11.5			22.0
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12-14	1.8	4.8				4.8	3.7	7.9			16.3
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15-17	2.6	4.7				4.7	4.0	8.2			16.9
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18-20

21-23

ALL HOURS	2.0	4.8				4.8	6.5	10.6			21.9
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MONTH: AUG

00-02

03-05

06-08	3.5	9.8				9.8	27.0	13.1			49.9
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09-11	2.3	8.1				8.1	12.2	10.8			31.1
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12-14	1.1	6.0				6.0	5.5	10.2			21.7
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15-17	1.9	7.1				7.1	4.5	9.0			20.6
-------	-----	-----	--	--	--	-----	-----	-----	--	--	------

18-20

21-23

ALL HOURS	2.1	7.6				7.6	11.7	10.7			30.1
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PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
TC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL

FOZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
								0
								0
		4.9	14.3	15.6			34.8	739
		4.7	5.7	11.5			22.0	1137
		4.8	3.7	7.9			16.3	1146
		4.7	4.0	8.2			16.9	682
								0
								0
		4.8	6.5	10.6			21.9	3704
								0
								0
		9.8	27.0	13.1			49.9	773
		8.1	12.2	10.8			31.1	1197
		6.0	5.5	10.2			21.7	1193
		7.1	4.5	9.0			20.6	690
								0
								0
		7.6	11.7	10.7			30.1	3853

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL ORST TO VS
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00-02

03-05

06-08	1.6	11.5				11.5	23.1	5.2			40.8
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09-11	.9	11.5				11.5	13.2	5.7			30.4
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12-14	.6	7.7		.2		7.9	7.8	2.5			18.2
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15-17	.2	5.6				5.6	5.8	1.9			13.4
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18-20

21-23

ALL HOURS	.8	9.4		.1		9.5	12.4	4.2			26.1
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MONTH: OCT

00-02

03-05

06-08	.2	6.7		2.0		8.7	20.9	3.7			33.3
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09-11	.3	6.1		1.7		7.8	13.9	4.1			25.7
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12-14	.4	7.7		1.0		8.7	9.1	3.7			21.4
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15-17	.5	6.0		.7		8.7	9.3	2.1			20.0
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18-20

21-23

ALL HOURS	.3	7.0		1.4		8.4	13.0	3.6			25.0
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PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
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								0
								0
		11.5	23.1	6.2			40.8	642
		11.5	13.2	5.7			30.4	988
.2		7.9	7.8	2.5			18.2	998
		5.6	5.8	1.9			13.4	463
								0
								0

.1		9.5	12.4	4.2			26.1	3091
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MONTH: OCT

								0
								0
2.0		8.7	20.9	3.7			33.3	597
1.7		7.8	13.9	4.1			25.7	967
1.0		8.7	9.1	3.7			21.4	980
.7		8.7	9.3	2.1			20.0	439
								0
								0

1.4		8.4	13.0	3.6			25.0	2983
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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TO NO
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00-02

03-05

06-08		6.6		8.4		15.0	22.3	4.8			42.1	
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09-11		8.2	.1	9.7		18.1	18.0	4.0			40.0	
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12-14		7.0		8.9		15.9	14.9	3.6	.4		34.7	
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15-17		6.4		6.4		12.9	10.8	3.1			26.8	
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18-20

21-23

ALL HOURS		7.2	.0	8.6		15.6	15.8	3.7	.1		35.5	2
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MONTH: DEC

00-02

03-05

06-08		3.9	1.4	13.7		19.0	23.9	1.4	1.2		46.1	
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09-11		3.8	1.8	15.5		21.0	21.5	1.5	1.6		45.7	
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12-14		3.3	.2	14.0		17.5	15.7	2.2	.9		36.4	
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15-17		2.3	.8	9.9		12.9	14.6	2.9	.6		31.0	
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18-20

21-23

ALL HOURS		3.3	1.0	13.6		17.9	18.4	2.0	1.2		39.5	2
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PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TIME ZONE: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV

2	CRIZEN	HAIL	ALL	FOG	SMOKE	BLOWING	DUST	ALL	TOTAL
1	PRECIP		PRECIP		&/JR	SNOW	&/OR	OBST	NO. OF
					HAZE		SAND	TO VSN	OBS

0

0

10.4			15.0	22.3	4.8			42.1	273
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9.7			18.1	18.0	4.0			40.0	802
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10.0			15.9	14.9	3.6	.4		34.7	812
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10.4			12.9	10.8	3.1			26.8	544
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0

0

10.0			15.6	15.8	3.7	.1		35.5	2431
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MONTH: DEC

0

0

12.7			19.0	23.9	1.4	1.2		46.1	284
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15.6			21.0	21.5	1.5	1.6		45.7	852
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14.0			17.5	15.7	2.2	.9		36.4	855
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9.9			12.9	14.6	2.9	.6		31.0	526
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0

0

13.6			17.9	18.4	2.0	1.2		39.5	2517
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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN
JAN		1.3	.8	16.9		18.9	11.9	3.4	2.3		36.5
FEB		2.5	.7	14.2		17.3	15.0	6.4	1.0		39.7
MAR	.1	5.5	.8	5.5		14.8	14.0	3.9	.7		33.4
APR	.4	10.5		3.5		14.0	8.1	1.8	.4		24.4
MAY	.6	7.1		.0		7.1	6.8	4.4			18.3
JUN	1.4	6.4				6.4	6.7	6.3		.1	19.6
JUL	2.0	4.3				4.3	6.5	10.6			21.8
AUG	2.1	7.6				7.6	11.7	10.7			30.1
SEP	.3	9.4		.1		9.5	12.4	4.2			26.1
OCT	.3	7.0		1.4		8.4	13.0	3.6			25.0
NOV		7.2	.0	8.6		15.8	15.8	3.7	.1		35.5
DEC		3.3	1.0	13.6		17.9	18.4	2.0	1.2		39.5
ANNUAL	.7	6.1	.3	5.1		11.4	11.3	5.4	.5	.0	28.6

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
+ 5 HOURS: ALL

TIME	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL ORST TO VSN	TOTAL NO. OF OBS
12		18.9	11.9	3.4	2.3		36.5	3168
01		17.3	15.0	6.4	1.0		39.7	3135
02		14.8	14.0	3.9	.7		33.4	3125
03		14.0	8.1	1.8	.4		24.4	2993
04		7.1	6.8	4.4			18.3	3184
05		6.4	6.7	6.3		.1	19.6	3931
06		4.8	6.5	10.6			21.8	3704
07		7.6	11.7	10.7			30.1	3853
08		9.5	12.4	4.2			26.1	3091
09		8.4	13.0	3.6			25.0	2983
10		15.8	15.8	3.7	.1		35.5	2431
11		17.9	18.4	2.0	1.2		39.5	2517
12		11.4	11.3	5.4	.5	.0	28.6	38115

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD: 6  
MONTH: ALL HOURS:

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND
JAN	.3	9.3	6.3	42.0		45.3	27.6	13.5	8.0	
FEB	.3	10.0	3.7	39.5	.2	44.4	31.3	17.5	5.6	
MAR	1.6	19.3	2.7	23.3	.3	37.2	25.6	15.0	2.3	
APR	6.2	33.7	.3	11.4	.7	38.6	23.9	12.4	1.5	
MAY	10.2	34.0		1.0	1.1	34.1	22.2	13.0		
JUN	14.1	35.3			.3	35.3	24.6	18.5		
JUL	16.5	29.8			.1	29.8	24.4	23.8		
AUG	13.6	31.3			.4	31.3	35.3	26.2		
SEP	8.1	34.9		.3	.2	34.9	36.2	19.1		
OCT	3.4	29.0		4.5	.5	31.4	27.2	13.8	.2	
NOV	1.5	26.1	1.3	23.9		43.1	35.1	17.0	.9	
DEC	.4	15.5	5.0	39.8		47.5	36.6	15.7	3.5	
ANNUAL	6.8	26.1	1.6	14.6	.3	37.4	29.0	17.3	1.7	

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGB HI  
UTC: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL ORST TO VSV	TOTAL NO. OF OBS
42.0		45.3	27.6	13.5	8.0		56.0	602
39.5	.2	44.4	31.3	17.5	5.6		58.7	572
23.8	.3	37.2	25.6	15.0	2.3		48.6	621
11.4	.7	38.6	23.9	12.4	1.5		45.4	599
1.0	1.1	34.1	22.2	13.0			44.4	630
	.3	35.3	24.6	18.5			48.3	702
	.1	29.8	24.4	23.8			48.5	697
	.4	31.3	35.3	26.2			53.8	599
.3	.2	34.9	36.2	19.1			51.8	501
4.5	.5	31.4	27.2	13.8	.2		44.5	576
23.9		43.1	35.1	17.0	.9		56.3	547
39.8		47.5	36.6	15.7	3.5		60.2	566
14.6	.3	37.4	29.0	17.3	1.7		51.2	7422

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - J

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DE
00-02												
03-05												
06-08			.3		.3	.9	1.6	3.5	1.6	.2		
09-11				.4	.4	.8	2.0	2.3	.9	.3		
12-14			.1	.4	.3	2.0	1.8	1.1	.6	.4		
15-17				.7	1.9	1.8	2.6	1.9	.2	.5		
18-20												
21-23												
ALL HOURS			.1	.4	.6	1.4	2.0	2.1	.8	.3		
TOTAL OBS	3163	3135	3125	2993	3184	3931	3704	3853	3091	2983	2431	25

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

ST: VOLK FLD ANGB MI  
: + 6

PERIOD OF RECORD: AUG 73 - JUL 88

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	.3	.9	1.6	3.5	1.6	.2		
.4	.4	.8	2.0	2.3	.9	.3		
.4	.3	2.0	1.8	1.1	.6	.4		
.7	1.9	1.8	2.6	1.9	.2	.5		
.4	.6	1.4	2.0	2.1	.8	.3		
493	3184	3931	3704	3953	3091	2783	2431	2517

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 149	150 - 249	250 - 339	NO
TSTMS							
LIQUID PRECIP	7.5		25.0	50.0	7.5	10.0	
FREEZING PRECIP	20.0		16.0	36.0		28.0	
FROZEN PRECIP	12.1		14.3	20.8	14.1	38.7	
FOG	19.8		9.6	25.3	24.2	20.9	
FOG WITH VIS GE 1/2 MILES	17.5		10.1	24.0	26.1	22.3	
TOTAL OBS	445	0	193	408	591	1540	0

MONTH: FEB HOURS: ALL

TSTMS							
LIQUID PRECIP	8.6		21.0	35.8	22.2	12.3	
FREEZING PRECIP			38.1	42.9		19.0	
FROZEN PRECIP	10.6		24.4	19.5	13.4	27.1	
FOG	19.1		16.5	31.3	13.2	19.8	
FOG WITH VIS GE 1/2 MILES	18.6		16.8	30.2	13.7	20.1	
TOTAL OBS	423	0	337	481	612	1232	0



PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGR WI  
TIME TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 38  
MONTH: JAN HOURS: ALL

TABLE	340 - 069	070 - 149	150 - 249	250 - 339	NO OF OBS
	25.0	50.0	7.5	10.0	40
	16.0	36.0		24.0	25
	14.3	20.8	14.1	34.7	538
	9.6	25.3	24.2	20.9	363
	10.1	24.0	26.1	22.3	337
0	193	408	591	1540	0
					3167

MONTH: FEB HOURS: ALL

	21.0	35.8	22.2	12.3	31
	38.1	42.9		19.0	21
	24.4	19.5	13.4	27.1	451
	16.6	31.3	13.2	19.4	470
	16.8	30.8	13.7	20.1	452
0	387	481	612	1232	0
					3135

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 049	070 - 149	150 - 249	250 - 339
TSTMS	50.0				50.0	
LIQUID PRECIP	4.7		14.0	44.4	20.5	16.4
FREEZING PRECIP			20.0	50.0		20.0
FROZEN PRECIP	6.3		22.1	30.5	11.8	29.4
FOG	10.1		11.2	39.1	22.4	17.2
FOG WITH VIS GE 1/2 MILES	9.1		11.6	39.4	23.9	17.0
TOTAL OBS	232	0	494	710	633	1056

MONTH: APR HOURS: ALL

TSTMS			8.3	33.3	59.3	
LIQUID PRECIP	2.6		37.0	34.1	8.7	16.7
FREEZING PRECIP						
FROZEN PRECIP			33.0	14.2	6.6	46.2
FOG	4.1		32.2	41.7	9.1	12.8
FOG WITH VIS GE 1/2 MILES	3.0		33.0	41.6	9.0	13.3
TOTAL OBS	161	0	635	703	600	394

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TIME: + 6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: MAR HOURS: ALL

340 - 059	070 - 149	150 - 249	250 - 339	NO OF OBS
50.0				2
14.0	44.4	20.5	16.4	171
20.0	50.0		20.0	25
22.1	30.5	11.8	29.4	272
11.2	39.1	22.4	17.2	437
11.6	39.4	23.9	17.0	406
494	710	633	1056	0
				3125

MONTH: APR HOURS: ALL

8.3	33.3	50.3		12
37.0	34.1	8.7	16.7	311
33.0	14.2	6.6	46.2	106
32.2	41.7	9.1	12.8	242
33.0	41.6	9.0	13.3	233
535	703	600	394	0
				2993

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 149	150 - 249	250 - 339	N
TSTMS	5.3		10.5	15.8	47.4	21.1	
LIQUID PRECIP	6.8		27.7	30.9	13.6	20.9	
FREEZING PRECIP							
FROZEN PRECIP			100.0				
FOG	19.1		16.7	42.3	11.2	10.7	
FOG WITH VIS GE 1/2 MILES	18.5		16.6	43.1	10.9	10.9	
TOTAL OBS	265	0	466	709	918	824	0

MONTH: JUN HOURS: ALL

TSTMS	9.1		12.7	27.3	34.5	16.4	
LIQUID PRECIP	9.6		19.2	25.1	17.4	28.8	
FREEZING PRECIP							
FROZEN PRECIP							
FOG	9.4		16.6	36.2	21.5	16.2	
FOG WITH VIS GE 1/2 MILES	9.6		16.7	36.1	21.3	16.3	
TOTAL OBS	244	0	536	747	1186	1217	0

AGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 SUS WIND DIRECTION FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI					PERIOD OF RECORD: AUG 73 - JUL 88
: + 6					MONTH: MAY HOURS: ALL
340 - 069	070 - 149	150 - 249	250 - 339	NO OF OBS	
10.5	15.8	47.4	21.1	19	
27.7	30.9	13.6	20.9	220	
100.0					1
16.7	42.3	11.2	10.7	215	
16.6	43.1	10.9	10.9	211	
465	709	918	824	0	3154

					MONTH: JUN HOURS: ALL
12.7	27.3	34.5	16.4	55	
19.2	25.1	17.4	28.8	219	
16.6	36.2	21.5	16.2	265	
16.7	36.1	21.3	16.3	263	
536	747	1186	1217	0	3930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 059	070 - 149	150 - 249	250 - 339	N
TSTMS	12.2		14.9	24.3	21.6	27.0	
LIQUID PRECIP	10.3		11.1	28.6	31.0	19.0	
FREEZING PRECIP							
FROZEN PRECIP							
FOG	16.7		11.5	38.9	21.4	11.5	
FOG WITH VIS GE 1/2 MILES	16.4		11.6	33.5	21.6	11.6	
TOTAL OBS	377	0	527	533	1220	1047	0

	MONTH: AUG HOURS: ALL					
TSTMS	7.5		7.5	23.8	42.5	13.8
LIQUID PRECIP	11.5		16.8	30.7	24.6	16.4
FREEZING PRECIP						
FROZEN PRECIP						
FOG	20.8		11.9	34.2	22.3	10.8
FOG WITH VIS GE 1/2 MILES	20.0		12.1	34.4	22.7	10.8
TOTAL OBS	452	0	438	648	1341	974

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI  
ELEV: 46

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: ALL

140 - 059	070 - 149	150 - 249	250 - 339	NO OF OBS	
14.9	24.3	21.6	27.0	74	
11.1	26.6	31.0	19.0	126	
11.5	38.9	21.4	11.5	234	
11.5	33.5	21.6	11.5	232	
527	533	1220	1047	0	3704

MONTH: AUG HOURS: ALL

7.5	23.5	42.5	15.5	30	
15.9	30.7	24.5	16.4	244	
11.9	34.2	22.3	10.8	453	
12.1	34.4	22.7	10.8	445	
434	544	1341	974	0	3953

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7.  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 149	150 - 249	250 - 339
TSTMS	3.9		11.5	30.8	46.2	7.7
LIQUID PRECIP	7.9		17.7	35.7	14.4	24.2
FREEZING PRECIP						
FROZEN PRECIP					50.0	50.0
FOG	13.2		10.1	37.6	20.7	18.4
FOG WITH VIS GE 1/2 MILES	12.6		10.4	37.7	21.1	18.2
TOTAL OBS	302	0	307	494	926	1060

					MONTH: OCT	HOURS: ALL
TSTMS				30.0	30.0	40.0
LIQUID PRECIP	7.3		16.5	28.3	23.4	22.4
FREEZING PRECIP						
FROZEN PRECIP	11.9		7.1	4.3	9.5	55.7
FOG	15.7		7.7	41.4	26.5	8.7
FOG WITH VIS GE 1/2 MILES	13.4		7.8	43.0	26.9	8.9
TOTAL OBS	299	0	299	537	772	1076



PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
ELEVATION: + 6

PERIOD OF RECORD: AUG 73 - JUL 89  
MONTH: SEP HOURS: ALL

340 - 069	070 - 149	150 - 249	250 - 339	NO OF OBS
11.5	30.8	46.2	7.7	26
17.7	35.7	14.4	24.2	277
		50.0	50.0	2
10.1	37.6	20.7	18.4	366
10.4	37.7	21.1	18.2	374
307	494	928	1060	3091

MONTH: OCT HOURS: ALL

340 - 069	070 - 149	150 - 249	250 - 339	NO OF OBS
18.5	23.3	23.4	22.4	205
7.1	4.3	9.5	55.7	42
7.7	41.4	26.5	8.7	399
7.9	43.0	26.9	8.9	372
299	537	772	1076	2783

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 149	150 - 249	250 - 339
TSTMS						
LIQUID PRECIP	6.3		27.3	24.4	23.9	18.2
FREEZING PRECIP			100.0			
FROZEN PRECIP	4.9		21.1	.5	8.6	55.1
FOG	14.3		16.1	23.4	24.4	21.8
FOG WITH VIS GE 1/2 MILES	13.1		16.6	22.7	25.1	22.5
TOTAL OBS	203	0	253	343	649	981

MONTH: DEC HOURS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 149	150 - 249	250 - 339
TSTMS						
LIQUID PRECIP	20.5		6.0	27.7	24.1	21.7
FREEZING PRECIP	20.0		12.0	44.0	4.0	20.0
FROZEN PRECIP	6.7		14.5	13.0	20.3	45.5
FOG	18.7		7.0	32.8	18.3	23.3
FOG WITH VIS GE 1/2 MILES	17.3		7.3	30.5	20.2	24.6
TOTAL OBS	310	0	178	378	525	1126

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
ST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: ALL

.....  
TABLE 340 - 069 070 - 149 150 - 249 250 - 339 NO OF OBS  
.....

27.3 24.4 23.9 18.2 176

100.0 1

21.1 .5 8.6 55.1 209

16.1 23.4 24.4 21.8 385

16.6 22.7 25.1 22.5 374

.....  
0 253 343 649 981 0 2429  
.....

MONTH: DEC HOURS: ALL

6.0 27.7 24.1 21.7 83

12.0 44.0 4.0 20.0 25

14.5 13.0 20.3 45.5 345

7.0 32.8 18.3 23.3 460

7.3 30.5 20.2 24.6 410

.....  
0 178 378 525 1126 0 2517  
.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLU ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	340 - 069	070 - 149	150 - 249	250 - 339
TSTMS	8.3		10.8	25.2	35.3	19.4
LIQUID PRECIP	7.8		21.7	32.0	19.6	20.0
FREEZING PRECIP	10.3		21.6	45.4	1.0	21.6
FROZEN PRECIP	8.5		19.3	17.5	14.8	39.7
FOG	15.5		13.1	34.7	20.1	15.6
FOG WITH VIS GE 1/2 MILES	14.4		13.5	34.5	20.8	16.9
TOTAL OBS	3713	0	4715	5691	9965	13027

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

NAME: VOLK FLU ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTHS: ALL

340 - 069	070 - 149	150 - 249	250 - 339	NO OF OBS
10.8	25.2	36.3	19.4	278
21.7	32.0	18.6	20.0	2153
21.6	45.4	1.0	21.6	97
19.3	17.6	14.8	39.7	1966
13.1	34.7	20.1	16.6	4299
13.5	34.5	20.9	16.9	4109
4715	5691	9965	13027	0 38111

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### PART 3

#### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART 3 ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

##### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

##### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

##### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

##### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945: 0800 LST	THROUGH JUN 1952: 0030 GMT
JAN 1946 TO MAY 1957: 1230 LST	JUN 1952 TO MAY 1957: 1230 GMT
JUN 1957 TO PRESENT: 1200 GMT	JUN 1957 TO PRESENT: 1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: +06

PERIOD OF RECORD  
MONTH: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NONE	41.1	47.3	50.3	49.5	51.7	50.7	56.5	55.7	52.3	55.0
TRACE	22.8	25.2	19.8	10.5	12.4	10.3	10.2	11.2	9.2	12.0
.01	4.6	1.9	1.9	2.5	2.4	2.7	2.7	3.0	3.3	3.0
.02-.05	10.2	8.1	5.8	8.0	7.9	6.5	5.1	4.3	5.9	5.0
.06-.10	7.5	5.6	5.3	8.4	5.2	4.9	3.2	3.4	4.4	4.0
.11-.25	8.4	5.6	3.5	3.5	6.7	10.8	6.8	6.9	3.1	5.0
.26-.50	3.4	3.9	3.7	5.9	5.9	6.2	7.1	6.8	6.3	4.0
.51-1.00	1.8	1.9	4.0	4.3	4.3	5.5	5.3	5.5	5.1	4.0
1.01-2.50	.2		.5	2.2	2.7	2.1	3.0	3.0	4.1	1.0
2.51-5.00				.2	.3	.3	.2	.3	.3	
5.01-10.00										
10.01-20.00										
OVER 20.00										
DAYS WITH MEAS AMTS	36.1	27.0	29.8	40.0	35.9	39.1	33.3	33.1	33.5	32.0
TOTAL NO. OF OBSERVATIONS	510	571	620	528	629	673	654	677	603	540

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANG3 WI  
FC: +06

PERIOD OF RECORD: 6409-8808  
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
49.3	49.5	51.7	50.7	56.5	55.7	52.3	55.6	43.5	40.5	49.9
10.8	10.5	12.4	10.3	10.2	11.2	9.2	12.3	20.0	25.4	15.5
1.7	2.5	2.4	2.7	2.7	3.0	3.3	3.0	5.5	4.1	3.1
5.8	8.0	7.9	6.5	5.1	4.3	5.9	5.7	9.9	7.8	7.0
8.3	8.4	5.2	4.9	3.2	3.4	4.4	4.8	3.7	6.7	5.2
6.5	8.5	5.7	10.8	6.8	6.9	3.1	6.9	6.6	7.6	7.7
3.7	5.9	5.9	6.2	7.1	6.8	6.3	5.1	5.7	4.4	5.4
4.0	4.3	4.3	5.5	5.3	5.5	5.1	4.9	3.5	2.1	4.2
1.5	2.2	2.7	2.1	3.0	3.0	4.1	1.8	1.7	1.1	1.9
	.2	.3	.3	.2	.3	.3				.1

40.0	35.9	30.1	33.3	33.1	33.5	32.1	36.5	33.9	34.6	
520	525	629	673	664	677	603	610	545	564	7369

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGE WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOURS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
64									5.48	.39	1.1
65	.38	.20	1.34	3.16	4.66	1.69	4.51	4.96	19.00	1.67	2.0
66	.90	1.83	4.31	1.26	.93	1.06	2.39	1.55	1.01	.69	.9
67	2.35	.87	1.35	2.19	1.04	7.66	1.02	2.97	3.37	3.00	.9
68	1.12	.28	1.14	3.93	4.28	5.87	2.24	3.55	7.13	1.34	1.0
69	1.84	.13	1.33	2.95	2.69	5.59	2.83	2.59	2.01	4.71	.5
70	.43	.26	2.22	1.70	7.40	2.03	1.99	2.03	6.76	3.42	2.7
71	1.61	2.42	.49	1.58	4.13	3.19	4.32	4.38	2.26*	1.92*	2.0
72	.68*	.35*	1.27*	2.37*	1.26*	1.15	4.87	6.44	8.54	3.28	1.0
73	.68*	.96*	2.71*	4.18*	5.79*	3.22	.59	3.63	2.73	2.66*	1.5
74	.44*	1.53*	2.39*	2.19*	1.97*	4.65*	2.32	3.48	1.35*	1.58*	.1
75	1.33*	1.55*	2.24*	3.66	1.33*	4.32	1.97	7.14*	.86*	.41*	2.2
76	2.46*	2.49*	2.66*	3.56*	2.06*	1.62*	2.75	.34	.85*	.52*	1.0
77	.56*	1.38*	2.60*	2.90*	3.80*	4.30*	4.35*	2.52*	4.21*	2.48*	3.6
78	1.60*	.36*	.25*	3.71*	4.35*	5.58	7.91*	4.73	5.46*	1.44*	2.4
79	4.08*	.86*	2.17*	1.21*	4.38*	3.71	2.44*	4.37*	.74*	3.15*	2.4
80	1.66*	.58*	1.51*	1.87*	2.54*	4.06	2.59	9.33	6.27*	2.71*	.4
81	.23*	1.32*	.49*	6.73*	.44*	2.24	6.94	4.93*	2.27*	2.86*	1.0
82	2.52*	.38	1.64*	3.11*	4.33*	1.92	3.37	2.38	2.00*	2.57*	4.8
83	.54*	2.80*	1.92*	1.63*	5.04*	.77*	5.00*	5.67	6.50*	3.19*	3.4
84	.64*	1.42*	1.57*	3.94*	2.23	4.55*	4.21*	1.34	4.75*	6.50	3.4
85	.95*	1.53*	2.82*	2.54*	2.58*	3.39	1.92*	4.39*	4.77*	3.23*	4.4
86	.60	1.22	1.66*	2.29*	1.27*	6.92	5.40*	2.41*	3.49*	1.72*	1.3
87	.97*	.54	1.95	3.77*	4.72*	4.81	5.63*	1.63*	1.83*	1.31*	2.6
88	1.67	.24	1.43*	2.12*	.82*	1.64	2.23*	2.64*			

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANG3 WI  
: +06

PERIOD OF RECORD: 6409-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
3.16	4.56	1.69	4.51	4.96	5.48 10.00	.39 1.67	1.18 2.04	.55 2.42	7.60* 37.03
1.26	.93	1.06	2.38	1.55	1.01	.69	.93	1.73	18.58
2.19	1.04	7.66	1.02	2.97	3.30	3.00	.94	1.54	28.23
3.93	4.28	5.47	2.24	3.55	7.13	1.34	1.04	2.47	34.39
2.85	2.59	5.59	2.83	2.59	2.01	4.71	.51	1.54	29.62
1.70	7.40	2.03	1.99	2.03	5.76	3.42	2.78	1.33	32.40
1.58	4.13	3.19	4.32	4.38	2.26*	1.92*	2.93*	2.01	31.64*
2.37*	1.26*	1.15	4.87	6.44	8.54	3.28	1.08*	2.74*	34.03*
4.15*	5.79*	3.22	.59	3.63	2.73	2.66*	1.56*	1.24*	29.95*
2.19*	1.37*	4.65*	2.32	3.48	1.35*	1.88*	.13*	1.68*	24.06*
3.66	1.33*	4.32	1.97	7.14*	.86*	.41*	2.22*	2.58*	29.66*
3.56*	2.06*	1.62*	2.75	.34	.85*	.52*	TRACE*	.54*	19.85*
2.90*	3.80*	4.30*	4.35*	2.52*	4.21*	2.48*	3.61*	.14*	32.85*
3.71*	4.35*	5.58	7.91*	4.78	5.46*	1.44*	2.46*	1.05*	38.95*
1.21*	4.38*	3.71	2.44*	4.37*	.74*	3.15*	2.41*	.76*	34.25*
1.87*	2.68*	4.06	2.59	9.38	6.27*	2.71*	.45*	.29*	34.15*
6.73*	.44*	2.24	6.94	4.93*	2.27*	2.86*	1.00*	1.15*	30.50*
3.11*	4.33*	1.92	3.37	2.38	2.00*	2.57*	4.88*	2.73*	31.83*
1.63*	5.04*	.77*	5.00*	5.67	6.50*	3.19*	3.44*	1.26*	37.76*
3.94*	2.23	4.55*	4.21*	1.34	4.75*	6.60	3.49*	1.98*	36.75*
2.54*	2.58*	3.39	1.92*	4.39*	4.77*	3.23*	4.43*	1.99*	34.64*
2.29*	1.27*	6.92	5.40*	2.41*	3.49*	1.72*	1.31*	.45*	33.74*
3.77*	4.72*	4.81	5.63*	1.63*	1.83*	1.31*	2.63*	2.66*	32.45*
2.12*	.52*	1.54	2.23*	2.64*					12.84*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOUR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
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LEAST	.33	.13	.49	1.26	.93	1.06	.69	.34	1.01	.39	.
GREATEST	4.04	2.40	4.31	6.73	7.40	7.66	7.91	9.38	10.00	6.60	4.
MEAN	1.32	.76	1.42	2.54	3.42	3.69	2.99	3.72	5.22	2.79	1.
MEDIAN	1.12	.34	1.35	2.52	3.41	3.39	2.69	3.52	5.48	3.00	1.
SD	.596	.760	1.095	1.004	2.153	1.973	1.606	2.232	3.120	2.013	.7
TOTAL HRS	610	571	620	598	629	673	664	677	608	610	6

THE GREATEST VALUE OF 10.00 OCCURRED ON 09/65

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR I

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION: VOLK FLD ANGE WI  
+06

PERIOD OF RECORD: 6409-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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1.25	.93	1.06	.67	.34	1.01	.39	.51	.55	18.58
6.73	7.40	7.66	7.91	9.38	10.00	6.60	4.88	2.74	38.95
3.54	3.42	3.69	2.99	3.72	5.22	2.79	1.34	1.70	29.87
2.52	3.41	3.39	2.69	3.52	5.48	3.00	1.04	1.64	30.51
1.004	2.153	1.973	1.606	2.232	3.120	2.013	.785	.623	6.478
598	529	673	664	677	608	610	545	564	7369

10.00 OCCURRED ON 09/65

ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOURS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
64									1.70	.11	
65	.12	.15	.68	.97	2.66	.67	1.61	1.50	2.28	.86	
66	.30	1.00	1.30	.42	.42	.32	.78	.75	.57	.27	
67	.98	.29	.67	.43	.83	1.72	.73	.76	2.08	1.00	
68	.29	.09	.47	1.21	1.28	2.53	.92	1.61	2.57	.61	
69	.54	.10	.42	.79	.80	1.34	1.13	2.43	.65	1.17	
70	.15	.12	1.41	.81	1.59	.80	.80	1.53	2.19	1.24	
71	.71	.79	.35	.61	1.64	.65	1.90	1.39	.63*	.54*	1.1
72	.26*	.13*	.37*	1.12*	.32*	.46	1.64	1.33	1.65	1.56	
73	.19*	.37*	.90*	1.04*	1.40*	1.18	.26	1.19	.70	.71*	
74	.17*	.42*	.47*	1.04*	.72*	1.03*	.59	1.15	.42*	.91*	
75	.32*	.62*	.64*	2.61	.30*	.98	.60	3.08*	.41*	.29*	1.0
76	.65*	1.00*	.92*	1.49*	1.95*	.62*	1.04	.18	.50*	.41*	TRAC
77	.20*	.88*	.75*	1.09*	1.57*	1.00*	1.35*	.54*	1.04*	1.30*	1.5
78	.70*	.16*	.15*	1.06*	2.78*	1.34	3.64*	1.24	1.76*	.84*	.9
79	.94*	.69*	.30*	.34*	1.33*	1.06	.67*	2.30*	.49*	1.42*	.5
80	.65*	.20*	.40*	.79*	1.26*	1.05	.70	4.27	1.88*	1.07*	.3
81	.07*	.49*	.32*	2.37*	.19*	.39	1.86	1.36*	.70*	.95*	.4
82	1.20*	.16	.56*	1.46*	2.33*	.92	.59	.69	1.02*	.63*	2.2
83	.13*	.32*	.36*	.36*	1.05*	.60*	1.85*	1.75	4.72*	1.22*	1.9
84	.23*	.75*	.75*	2.02*	.71	2.00*	1.15*	.64	2.09*	1.44	1.7
85	.22*	.46*	1.71*	.57*	1.62*	2.26	1.10*	1.32*	2.14*	1.70*	1.6
86	.21	.35	.88*	.90*	.35*	4.51	1.58*	.94*	1.57*	.67*	.5
87	.49*	.27	.55	1.99*	1.61*	2.47	1.51*	.48*	.59*	.53*	.7
88	.67	.08	.75*	.98*	.73*	1.01	.45*	.43*			

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGB WI  
PTC: +06

PERIOD OF RECORD: 6409-8908  
MONTH: ALL HOURS: ALL

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	.97	2.66	.67	1.61	1.50	1.70	.11	.32	.20	1.70*
						2.28	.86	.84	.84	2.66
	.42	.42	.32	.78	.75	.57	.27	.36	.30	1.30
	.43	.83	1.72	.73	.76	2.08	1.00	.45	.49	2.08
	1.21	1.28	2.53	.52	1.51	2.57	.61	.28	.56	2.63
	.79	.80	1.34	1.13	2.43	.65	1.17	.36	.84	2.43
	.81	1.59	.80	.80	1.53	2.19	1.24	.74	.40	2.19
	.61	1.64	.65	1.80	1.39	.63*	.54*	1.10*	.82	1.60*
	1.12*	.32*	.46	1.64	1.33	1.65	1.56	.51*	1.13*	1.65*
	1.04*	1.40*	1.1*	.26	1.19	.70	.71*	.82*	.25*	1.40*
	1.04*	.72*	1.03*	.59	1.15	.42*	.91*	.07*	.52*	1.15*
	2.61	.30*	.98	.60	3.08*	.41*	.29*	1.06*	1.78*	3.08*
	1.49*	1.95*	.62*	1.04	.18	.50*	.41*	TRACE*	.30*	1.95*
	1.09*	1.57*	1.00*	1.35*	.54*	1.04*	1.30*	1.57*	.08*	1.85*
	1.06*	2.78*	1.34	3.64*	1.24	1.76*	.84*	.95*	.38*	3.64*
	.34*	1.33*	1.06	.67*	2.30*	.49*	1.42*	.55*	.50*	2.30*
	.79*	1.26*	1.05	.70	4.27	1.88*	1.07*	.30*	.15*	4.27*
	2.37*	.19*	.39	1.86	1.36*	.70*	.95*	.43*	.39*	2.37*
	1.45*	2.33*	.32	.59	.59	1.02*	.63*	2.22*	1.23*	2.33*
	.36*	1.05*	.60*	1.85*	1.75	4.72*	1.22*	1.98*	.44*	4.72*
	2.02*	.71	2.00*	1.15*	.64	2.09*	1.44	1.74*	.34*	2.09*
	.57*	1.69*	2.26	1.10*	1.32*	2.14*	1.70*	1.67*	1.31*	2.26*
	.90*	.35*	4.51	1.58*	.94*	1.57*	.67*	.52*	.17*	4.51*
	1.99*	1.61*	2.47	1.51*	.48*	.59*	.53*	.78*	1.02*	2.47*
	.98*	.73*	1.01	.45*	.83*					1.01*



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD: 6  
MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
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GREATEST	1.20	1.00	1.71	2.61	2.78	4.51	3.64	4.27	4.72	1.70	2.27
----------	------	------	------	------	------	------	------	------	------	------	------

TOTAL OBS	610	571	620	598	629	673	664	677	608	610	545
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THE GREATEST VALUE OF 4.72 OCCURRED ON 09/20/83

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGB WI  
C: +06

PERIOD OF RECORD: 6409-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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2.61	2.78	4.51	3.64	4.27	4.72	1.70	2.22	1.70	4.72
598	629	673	664	677	608	610	545	564	7369

4.72 OCCURRED ON 09/20/83

BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGUS WI  
LST TO UTC: +06

PERIOD OF RECORD: 64  
MONTH: ALL HOURS:

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NONE	45.0	53.1	63.2	86.7	99.0	100.0	100.0	100.0	99.8	94.8
TRACE	25.3	27.1	16.9	7.2	1.0				.2	4.8
0.1-0.4	9.0	6.0	3.6	2.3						.2
0.5-1.4	11.3	7.4	5.8	2.3						.3
1.5-2.4	3.9	2.1	2.5	.2						
2.5-3.4	3.3	1.4	.8	.5						
3.5-4.4	.5	1.4	.8	.3						
4.5-6.4	1.1	.7	.8	.2						
6.5-10.4	.5	.5	.5	.2						
10.5-15.4										
15.5-25.4										
25.5-50.4										
OVER 50.4										
DAYS WITH MEAS AMTS	29.7	19.9	14.9	6.0						.5
TOTAL NO. OF OBSERVATIONS	609	569	617	596	629	701	697	708	608	610

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION: VOLK FLD ANGUS AL  
: 406

PERIOD OF RECORD: 6406-8308  
MONTH: ALL HOURS: ALL

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0.0	86.7	99.0	100.0	100.0	100.0	99.8	94.8	68.9	50.6	81.7
0.1	7.2	1.0				.2	4.8	18.6	26.5	9.9
0.2	2.3						.2	5.1	5.7	2.5
0.3	2.3						.3	4.4	8.2	3.1
0.4	.2							.3	4.3	1.1
0.5	.5							.6	1.4	.6
0.6	.3							.6	1.1	.4
0.7	.2							.6	1.4	.4
0.8	.2							.4	.7	.2
0.9									.2	.0

1.0	6.0						.5	12.5	22.9	8.3
517	596	629	701	697	708	608	610	544	563	7451

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD: 6  
MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
64						.0	.0	.0	.0	TRACE	1.6
65	6.8	8.2	10.5	2.6	.0	.0	.0	.0	.0	TRACE	1.1
66	9.9	4.6	1.5	.7	.0	.0	.0	.0	.0	TRACE	5.0
67	14.5	8.7	7.3	1.4	TRACE	.0	.0	.0	.0	TRACE	3.3
68	5.6	2.1	.7	1.0	.0	.0	.0	.0	.0	TRACE	3.6
69	11.7	.7	10.6	TRACE	TRACE	.0	.0	.0	.0	TRACE	.5
70	5.0	2.6	9.0	.2	TRACE	.0	.0	.0	.0	.0	5.0
71	17.8	11.7	7.1	4.6	.0	.0	.0	.0	.0*	.0*	6.9
72	7.4*	5.7*	5.8*	1.7*	.0*	.0	.0	.0	.0	.3	1.4
73	4.0*	4.3*	1.6*	8.6*	.0*	.0	.0	.0	.0	TRACE*	1.4
74	4.2*	16.4*	7.6*	1.2*	TRACE*	.0*	.0	.0	.0*	TRACE*	TRACE
75	15.2*	18.2*	13.4*	1.1	.0*	.0	.0	.0*	.0*	.0*	2.6
76	19.9*	14.3*	2.1*	TRACE*	.0*	.0*	.0	.0	.0*	TRACE*	TRACE
77	4.8*	5.4*	8.7*	.3*	.0*	.0*	.0	.0*	.0*	.0*	10.2
78	12.0*	3.3*	3.0*	TRACE*	.0*	.0	.0*	.0	.0*	.0*	6.0
79	29.0*	2.0*	2.0*	.2*	.0*	.0	.0*	.0*	.0*	TRACE*	2.3
80	9.0*	5.3*	15.2*	4.0*	.0*	.0	.0	.0	.0*	TRACE*	1.0
81	TRACE*	9.0*	TRACE*	TRACE*	.0*	.0	.0	.0*	.0*	TRACE*	2.9
82	19.0*	5.0	3.0*	5.0*	.0*	.0	.0	.0	.0*	TRACE*	TRACE
83	5.3*	28.2*	7.2*	.6*	.0*	.0*	.0*	.0	TRACE*	.0*	3.5
84	6.5*	1.1*	4.4*	1.5*	TRACE	.0*	.0*	.0	.0*	TRACE	5.0
85	10.8*	6.1*	7.5*	4.0*	.0*	.0	.0*	.0*	.0*	.0*	16.0
86	7.6	8.1	5.2*	TRACE*	.0*	.0	.0*	.0*	.0*	TRACE*	7.3
87	9.6*	1.4	14.2	TRACE*	.0*	.0	.0*	.0*	.0*	2.0*	3.6
88	17.2	2.4	1.2*	5.8*	.0*	.0	.0*	.0*			

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NAME: VOLK FLD ANG8 WI  
TO UTC: +06

PERIOD OF RECORD: 6406-M908  
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10.5	2.6	.0	.0	.0	.0	.0	TRACE	1.6	7.0	8.6*
			.0	.0	.0	.0	TRACE	.1	3.0	31.2
1.5	.7	.0	.0	.0	.0	.0	TRACE	5.0	12.4	34.1
7.3	1.4	TRACE	.0	.0	.0	.0	TRACE	3.3	5.1	40.3
.7	1.0	.0	.0	.0	.0	.0	TRACE	3.8	30.8	44.0
10.5	TRACE	TRACE	.0	.0	.0	.0	TRACE	.5	17.0	40.5
0.0	.2	TRACE	.0	.0	.0	.0	.0	5.0	11.7	33.5
7.1	4.5	.0	.0	.0	.0	.0*	.0*	5.9*	8.1	55.2*
5.5*	1.7*	.0*	.0	.0	.0	.0	.3	1.4*	13.7*	36.0*
1.6*	9.6*	.0*	.0	.0	.0	.0	TRACE*	1.4*	11.3*	31.2*
7.5*	1.2*	TRACE*	.0*	.0	.0	.0*	TRACE*	TRACE*	9.8*	39.2*
13.4*	1.1	.0*	.0	.0	.0*	.0*	.0*	2.5*	4.4*	54.8*
2.1*	TRACE*	.0*	.0*	.0	.0	.0*	TRACE*	TRACE*	5.0*	41.2*
4.7*	.3*	.0*	.0*	.0	.0*	.0*	.0*	10.2*	1.0*	30.4*
5.0*	TRACE*	.0*	.0	.0*	.0	.0*	.0*	6.0*	5.0*	30.3*
2.0*	.2*	.0*	.0	.0*	.0*	.0*	TRACE*	2.3*	TRACE*	35.5*
15.2*	4.0*	.0*	.0	.0	.0	.0*	TRACE*	1.0*	4.0*	38.5*
TRACE*	TRACE*	.0*	.0	.0	.0*	.0*	TRACE*	2.9*	11.0*	22.9*
3.0*	5.0*	.0*	.0	.0	.0	.0*	TRACE*	TRACE*	2.0*	34.0*
7.2*	.5*	.0*	.0*	.0*	.0	TRACE*	.0*	3.5*	11.6*	56.4*
4.4*	1.5*	TRACE	.0*	.0*	.0	.0*	TRACE	5.0*	11.6*	30.1*
7.5*	4.0*	.0*	.0	.0*	.0*	.0*	.0*	16.0*	22.7*	57.1*
5.2*	TRACE*	.0*	.0	.0*	.0*	.0*	TRACE*	7.3*	4.0*	32.2*
14.2	TRACE*	.0*	.0	.0*	.0*	.0*	2.0*	3.5*	15.4*	46.2*
1.2*	5.3*	.0*	.0	.0*	.0*	.0*				26.5*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: +06

PERIOD OF RECORD: 64  
MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
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LEAST	5.0	.7	.7	TRACE	.0	.0	.0	.0	.0	.0	.1
GREATEST	29.0	28.2	15.2	8.6	TRACE	.0	.0	.0	TRACE	2.0	16.0
MEAN	10.7	5.0	7.6	1.4	TRACE	.0	.0	.0	.0	TRACE	2.7
MEDIAN	9.9	4.6	3.2	1.1	TRACE	.0	.0	.0	.0	TRACE	3.3
SD	4.900	3.617	4.600	1.502	.000	.000	.000	.000	.000	.100	2.039
TOTAL OBS	609	569	617	596	629	701	637	708	603	610	544

THE GREATEST VALUE OF 30.8 OCCURRED ON 12/63

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

1 VOLK FLD ANG3 WI  
+05

PERIOD OF RECORD: 6406-6808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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TRACE	.0	.0	.0	.0	.0	.0	.1	3.0	31.2
4.6	TRACE	.0	.0	.0	TRACE	2.0	16.0	30.8	67.1
1.4	TRACE	.0	.0	.0	.0	TRACE	2.7	11.9	37.3
1.1	TRACE	.0	.0	.0	.0	TRACE	3.3	9.9	37.2
1.502	.000	.000	.000	.000	.000	.100	2.039	8.843	5.020
596	629	701	697	708	603	610	544	563	7451

30.8 OCCURRED ON 12/63

ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGUS WI  
LST TO UTC: +06

PERIOD OF RECORD  
MONTH: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
64						.0	.0	.0	.0	TRACE
65	3.0	7.6	6.3	2.5	.0	.0	.0	.0	.0	TRACE
66	3.0	4.0	.6	.4	.0	.0	.0	.0	.0	TRACE
67	3.6	2.9	6.7	1.4	TRACE	.0	.0	.0	.0	TRACE
68	1.6	.9	.6	.8	.0	.0	.0	.0	.0	TRACE
69	2.2	.4	6.7	TRACE	TRACE	.0	.0	.0	.0	TRACE
70	1.7	2.1	6.3	.2	TRACE	.0	.0	.0	.0	.0
71	7.2	4.3	3.4	3.3	.0	.0	.0	.0	.0*	.0*
72	3.4*	2.5*	3.0*	.8*	.0*	.0	.0	.0	.0	.0
73	1.7*	1.8*	1.0*	7.0*	.0*	.0	.0	.0	.0	TRACE*
74	1.7*	4.4*	2.0*	1.2*	TRACE*	.0*	.0	.0	.0*	TRACE*
75	3.3*	5.1*	5.2*	.5	.0*	.0	.0	.0*	.0*	.0*
76	5.5*	4.8*	1.1*	TRACE*	.0*	.0*	.0	.0	.0*	TRACE*
77	2.0*	4.0*	6.2*	.3*	.0*	.0*	.0	.0*	.0*	.0*
78	5.0*	1.4*	2.0*	TRACE*	.0*	.0	.0*	.0	.0*	.0*
79	6.0*	1.0*	2.0*	.1*	.0*	.0	.0*	.0*	.0*	TRACE*
80	6.0*	2.2*	4.0*	3.0*	.0*	.0	.0	.0	.0*	TRACE*
81	TRACE*	4.0*	TRACE*	TRACE*	.0*	.0	.0	.0*	.0*	TRACE*
82	10.0*	2.0	1.0*	3.0*	.0*	.0	.0	.0	.0*	TRACE*
83	2.0*	3.2*	2.5*	.6*	.0*	.0*	.0*	.0	TRACE*	.0*
84	2.5*	1.1*	1.7*	1.5*	TRACE	.0*	.0*	.0	.0*	TRACE
85	2.3*	3.7*	7.0*	4.0*	.0*	.0	.0*	.0*	.0*	.0*
86	2.1	3.2	4.0*	TRACE*	.0*	.0	.0*	.0*	.0*	TRACE*
87	4.2*	1.3	5.6	TRACE*	.0*	.0	.0*	.0*	.0*	1.0*
88	6.7	.5	1.2*	5.4*	.0*	.0	.0*	.0*		

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANG3 WI  
UTC: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	2.5	.0	.0	.0	.0	.0	TRACE	1.4	4.0	4.0*
2			.0	.0	.0	.0	TRACE	.1	2.0	7.5
3	.4	.0	.0	.0	.0	.0	TRACE	3.0	8.0	8.0
4	1.4	TRACE	.0	.0	.0	.0	TRACE	1.2	2.3	6.7
5	.8	.0	.0	.0	.0	.0	TRACE	1.5	6.7	6.7
6	TRACE	TRACE	.0	.0	.0	.0	TRACE	.2	8.0	8.0
7	.2	TRACE	.0	.0	.0	.0	.0	1.7	6.4	6.4
8	3.8	.0	.0	.0	.0	.0*	.0*	4.0*	6.0	7.2*
9	.8*	.0*	.0	.0	.0	.0	.3	.5*	5.8*	5.8*
10	7.0*	.0*	.0	.0	.0	.0	TRACE*	1.4*	2.5*	7.0*
11	1.2*	TRACE*	.0*	.0	.0	.0*	TRACE*	TRACE*	4.7*	4.7*
12	.5	.0*	.0	.0	.0*	.0*	.0*	1.5*	2.5*	6.1*
13	TRACE*	.0*	.0*	.0	.0	.0*	TRACE*	TRACE*	4.0*	5.5*
14	.3*	.0*	.0*	.0	.0*	.0*	.0*	10.0*	1.0*	10.0*
15	TRACE*	.0*	.0	.0*	.0	.0*	.0*	6.0*	3.0*	6.0*
16	.1*	.0*	.0	.0*	.0*	.0*	TRACE*	1.2*	TRACE*	6.0*
17	3.0*	.0*	.0	.0	.0	.0*	TRACE*	1.0*	4.0*	6.0*
18	TRACE*	.0*	.0	.0	.0*	.0*	TRACE*	1.4*	5.0*	5.0*
19	3.0*	.0*	.0	.0	.0	.0*	TRACE*	TRACE*	2.0*	10.0*
20	.6*	.0*	.0*	.0*	.0	TRACE*	.0*	3.5*	4.0*	8.2*
21	1.5*	TRACE	.0*	.0*	.0	.0*	TRACE	3.7*	3.5*	3.7*
22	4.0*	.0*	.0	.0*	.0*	.0*	.0*	5.8*	13.1*	13.1*
23	TRACE*	.0*	.0	.0*	.0*	.0*	TRACE*	5.2*	1.7*	5.2*
24	TRACE*	.0*	.0	.0*	.0*	.0*	1.0*	3.3*	6.0*	6.0*
25	5.4*	.0*	.0	.0*	.0*					5.7*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: +06

PERIOD  
MONTH:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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GREATEST	10.0	8.2	7.0	7.0	TRACE	.0	.0	.0	TRACE
TOTAL DYS	609	569	617	596	629	701	597	708	609

THE GREATEST VALUE OF 13.1 OCCURRED ON 12/03/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAIL

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGB HI  
SITE: +05

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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7.0	TRACE	.0	.0	.0	TRACE	1.0	10.0	13.1	13.1
596	629	701	697	708	608	610	544	563	7451

13.1 OCCURRED ON 12/03/85

BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF  
MONTH: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
NONE	7.4	12.9	34.9	84.3	100.0	100.0	100.0	100.0	100.0
TRACE	4.4	6.1	15.5	10.0					
1	6.2	4.5	10.5	2.3					
2	10.5	3.8	5.6	1.3					
3	9.2	5.6	4.7	.9					
4-6	20.5	19.4	11.6	.7					
7-12	22.3	30.2	12.2						
13-24	17.7	13.6	5.0						
25-36	1.8	3.5							
37-48									
49-60									
61-120									
OVER 120									
DAYS WITH MEAS AMTS	83.2	60.9	49.0	5.7					
TOTAL NO. OF OBSERVATIONS	610	572	621	593	630	702	697	708	608

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NAME: VOLK FLD ANGB WI  
TO UTC: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	34.9	84.3	100.0	100.0	100.0	100.0	100.0	49.0	78.9	29.9	72.2
	15.5	10.0						.8	12.5	9.4	4.6
	10.5	2.3						.2	2.7	10.6	2.9
	5.6	1.3							2.0	7.6	2.5
	4.7	.9							.9	9.5	2.3
	11.6	.7							1.5	17.2	5.6
	12.2								1.1	10.6	6.0
	5.0									6.2	3.4
											.4
	49.0	5.7						.2	5.0	60.7	23.2
	621	598	630	702	697	709	608	610	546	565	7467

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOURS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
64						0	0	0	0	0
65	3	7	8	3	0	0	0	0	0	0
66	6	4	1	0	0	0	0	0	0	0
67	21	12	11	0	0	0	0	0	0	0
68	4	1	0	0	0	0	0	0	0	0
69	24	12	5	6	0	0	0	0	0	0
70	12	8	0	TRACE	0	0	0	0	0	0
71	15	20	15	1	0	0	0	0	0*	0*
72	8*	7*	9*	2*	0*	0	0	0	0	0
73	4*	4*	1*	5*	0*	0	0	0	0	0*
74	4*	10*	2*	1*	0*	0*	0	0	0*	0*
75	9*	12*	15*	TRACE	0*	0	0	0*	0*	0*
76	10*	10*	2*	0*	0*	0	0	0	0*	TRACE*
77	7*	7*	5*	2*	0*	0*	0	0*	0*	0*
78	15*	14*	10*	TRACE*	0*	0	0*	0	0*	0*
79	32*	32*	20*	0*	0*	0	0*	0*	0*	0*
80	6*	5*	10*	3*	0*	0	0	0	0*	0*
81	1*	4*	TRACE*	0*	0*	0	0	0*	0*	0*
82	25*	23	6*	3*	0*	0	0	0	0*	0*
83	3*	27*	3*	TRACE*	0*	0*	0*	0	0*	0*
84	12*	8*	2*	0*	0	0*	0*	0	0*	0
85	5*	14*	7*	1*	0*	0	0*	0*	0*	0*
86	16	16	16*	TRACE*	0*	0	0*	0*	0*	TRACE*
87	9*	8	4	1*	0*	0	0*	0*	0*	1*
88	15	8	1*	2*	0*	0	0*	0*		

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

WOLK FLD ANGB WI  
+05

PERIOD OF RECORD: 6406-9305  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
3	0	0	0	0	0	0	1	4	4*
0	0	0	0	0	0	0	0	2	3
0	0	0	0	0	0	0	1	13	13
0	0	0	0	0	0	0	1	3	21
0	0	0	0	0	0	0	TRACE	19	19
0	0	0	0	0	0	0	TRACE	11	24
TRACE	0	0	0	0	0	0	1	9	12
1	0	0	0	0	0*	0*	8*	6	20*
2*	0*	0	0	0	0	0	TRACE*	12*	12*
0*	0*	0	0	0	0	0*	1*	3*	5*
1*	0*	0*	0	0	0*	0*	TRACE*	5*	10*
ACE	0*	0	0	0*	0*	0*	2*	3*	16*
0*	0*	0	0	0	0*	TRACE*	TRACE*	4*	10*
2*	0*	0*	0	0*	0*	0*	6*	12*	12*
ACE*	0*	0	0*	0	0*	0*	6*	6*	15*
0*	0*	0	0*	0*	0*	0*	1*	TRACE*	32*
3*	0*	0	0	0	0*	0*	1*	5*	10*
0*	0*	0	0	0*	0*	0*	2*	5*	8*
3*	0*	0	0	0	0*	0*	TRACE*	2*	25*
TRACE*	0*	0*	0*	0	0*	0*	2*	13*	27*
0*	0	0*	0*	0	0*	0	4*	3*	12*
1*	0*	0	0*	0*	0*	0*	3*	10*	13*
TRACE*	0*	0	0*	0*	0*	TRACE*	7*	5*	16*
1*	0*	0	0*	0*	0*	1*	3*	11*	11*
2*	0*	0	0*	0*					15*



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOUR

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT  
.....

.....  
GREATEST 32 32 20 6 0 0 0 0 0 1

.....  
TOTAL OBS 610 572 621 598 630 702 697 708 608 610 5

.....  
THE GREATEST VALUE OF 32 OCCURRED ON 01/24/79

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR T

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGB HI  
TC: +06

PERIOD OF RECORD: 6406-8308  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-----	-----	-----	-----	-----	-----	-----	-----	-----	--------

6	0	0	0	0	0	1	8	19	32
593	530	702	697	708	608	610	546	565	7467

32 OCCURRED ON 01/24/79

BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI

PERIOD OF RECORD: 64  
SNOW-YEAR: 1 AUG -

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW
64 - 65	OCT 06	NOV 20	NOV 21	APR 17	APR 17	APR 17
65 - 66	OCT 23	NOV 13	DEC 20	APR 21	APR 21	APR 21
66 - 67	OCT 31	NOV 11	NOV 20	MAY 02	APR 22	APR 22
67 - 68	OCT 25	NOV 04	NOV 30	APR 24	APR 24	APR 24
68 - 69	OCT 03	NOV 06	DEC 14	MAY 21	MAR 28	MAR 28
69 - 70	OCT 12	NOV 13	DEC 07	MAY 01	APR 13	APR 13
70 - 71	NOV 01	NOV 02	NOV 27	APR 28	APR 27	APR 27
71 - 72	NOV 03	NOV 23	NOV 24	APR 21	APR 07	APR 07
72 - 73	OCT 15	OCT 15	DEC 02	APR 15	APR 16	APR 16
73 - 74	OCT 29	NOV 15	NOV 16	MAY 08	APR 04	APR 04
74 - 75	OCT 13	DEC 07	DEC 02	APR 10	APR 10	APR 10
75 - 76	NOV 12	NOV 21	NOV 21	APR 25	MAR 05	MAR 05
76 - 77	OCT 16	DEC 07	DEC 07	APR 05	APR 05	APR 05
77 - 78	NOV 10	NOV 10	NOV 29	APR 20	MAR 14	MAR 14
78 - 79	NOV 17	NOV 28	NOV 28	APR 28	APR 28	APR 28
79 - 80	OCT 13	NOV 09	NOV 09	APR 10	APR 09	APR 09
80 - 81	OCT 25	NOV 29	NOV 29	APR 04	FEB 24	FEB 24
81 - 82	OCT 23	NOV 19	NOV 20	APR 20	APR 20	APR 20
82 - 83	OCT 20	DEC 16	DEC 16	APR 16	APR 14	APR 14
83 - 84	SEP 22	NOV 29	NOV 29	MAY 09	APR 24	APR 24
84 - 85	OCT 31	NOV 10	NOV 10	APR 09	APR 02	APR 02
85 - 86	NOV 12	NOV 12	NOV 12	APR 15	MAR 19	MAR 19

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANG3 WI

PERIOD OF RECORD: 6406-8804  
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
NOV 20	NOV 21	APR 17	APR 17	APR 17
NOV 13	DEC 20	APR 21	APR 21	MAR 26
NOV 11	NOV 20	MAY 02	APR 22	MAR 26
NOV 04	NOV 30	APR 24	APR 24	FEB 26
NOV 06	DEC 14	MAY 21	MAR 28	APR 02
NOV 13	DEC 07	MAY 01	APR 13	MAR 22
NOV 02	NOV 27	APR 28	APR 27	APR 03
NOV 23	NOV 24	APR 21	APR 07	APR 05
NOV 15	DEC 02	APR 16	APR 16	APR 14
NOV 16	NOV 16	MAY 08	APR 04	APR 04
NOV 07	DEC 02	APR 10	APR 10	MAR 28
NOV 21	NOV 21	APR 25	MAR 05	MAR 13
NOV 07	DEC 07	APR 05	APR 05	APR 06
NOV 10	NOV 29	APR 20	MAR 14	MAR 25
NOV 26	NOV 23	APR 28	APR 28	MAR 28
NOV 09	NOV 09	APR 10	APR 09	APR 10
NOV 29	NOV 29	APR 04	FEB 24	FEB 24
NOV 19	NOV 20	APR 20	APR 20	APR 20
NOV 16	DEC 16	APR 16	APR 14	MAR 22
NOV 29	NOV 29	MAY 09	APR 24	MAR 22
NOV 10	NOV 10	APR 09	APR 02	APR 05
NOV 12	NOV 12	APR 15	MAR 19	MAR 23

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI

PERIOD OF RECORD: 64  
SNOW-YEAR: 1 AUG -

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
86 - 87	OCT 14	NOV 18	NOV 18	APR 02	MAR 31	APR 02
87 - 88	OCT 20	OCT 22	OCT 22	APR 27	APR 27	APR 27

MEDIAN-DATE

OCT 23

NOV 14

NOV 27

APR 20

APR 11

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

13 VOLK FLD ANGR WI

PERIOD OF RECORD: 6406-6808  
SNOW-YEAR: 1 AUG - 31 JUL

ST	FIRST	LAST	LAST	LAST
EARL	MEASURABLE	SNOWFALL	MEASURABLE	MEASURABLE
LATE	SNOW DEPTH		SNOWFALL	SNOW DEPTH
14	NOV 19	APR 02	MAR 31	APR 02
22	OCT 22	APR 27	APR 27	APR 27

14 NOV 27 APR 20 APR 11 MAR 30

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PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF PEAK SPEEDS ARE AVAILABLE.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (PDF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND



OPERATING LOCATION: 'A'  
USAFETAG, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: +05

PERIOD OF RECORD  
MONTH: ALL HOU

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
67									S *30	WNW 34
68	27	35	31	SW 36	SSW 42	WNW 36	25/ 35	29/ 40	17/*37	19/ 42
69	29/ 29	28/ 33	32/ 29	33/ 41	26/ 30	25/ 42	33/ 35	26/ 31	19/ 31	20/ 37
70	31/ 24	29/ 30	15/*19	25/ 32	30/*23	*	*	*	*	*
71	32/ 45	27/ 50	27/ 33	27/ 32	*	*	*	*	*	*
72	*	*	*	*	*	*	*	*	*	*
73	*	*	*	*	*	*	*	*	*	*
74	*	*	*	31/*23	24/*36	33/*34	19/*33	22/*17	24/*28	18/*32
75	14/*22	53/*32	11/*40	22/*39	23/*39	24/*31	*	30/*65	*	*
76	*	10/*19	23/*35	01/*26	21/*27	25/*43	28/*36	27/*31	23/*41	22/*36
77	24/*45	27/*37	24/*43	31/*33	30/*35	27/*42	24/*46	25/*31	23/*38	27/*31
78	30/*26	24/*29	30/*23	27/*47	24/*35	23/*35	30/*34	19/*30	15/*28	23/*23
79	31/*26	24/*27	31/*44	04/*51	23/*34	23/ 37	04/*27	24/*29	17/*23	31/*30
80	24/*43	20/*20	30/*24	35/*32	32/*34	34/*52	22/*40	24/*42	17/*30	21/*40
81	24/*21	31/*25	25/*34	30/*40	21/*27	12/ 53	13/ 32	32/*24	27/*35	32/*34
82	24/*35	21/ 25	25/*40	30/*46	25/*26	27/ 25	33/ 36	18/ 42	18/*29	30/*30
83	14/*22	33/*25	15/*25	15/*32	33/*35	25/*35	30/*50	17/ 35	23/*34	30/*24
84	10/*27	35/*27	30/*32	22/*40	28/ 33	27/*45	24/*42	25/ 28	19/*29	23/ 36
85	37/*35	23/*25	22/*36	22/*30	22/*33	26/ 35	27/*28	24/*38	24/*34	29/*37
86	43/ 37	33/ 32	21/*35	27/*32	30/*32	32/ 40	27/*43	17/*23	27/*26	31/*29
87	31/*26	23/ 50	20/ 30	32/*37	20/*36	34/ 30	17/*24	28/*30	33/*22	30/*35
88	23/ 30	33/ 32	23/*34	35/*33	14/*36	13/ 39	22/*28	11/*30		

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION: VOLK FLD ANGR WI  
#05

PERIOD OF RECORD: 6709-6808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
36	SSW 42	WNW 36	25/ 35	29/ 40	17/*30	WNW 34	N 46	WNW 26	N *46
37/ 41	26/ 30	25/ 42	33/ 35	26/ 31	19/ 31	20/ 37	31/*29	32/ 27	SSW*42
27/ 32	30/*29	*	*	*	*	*	*	29/*31	25/*32
27/ 32	*	*	*	*	*	*	*	*	27/*50
*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*
17/*23	24/*36	33/*34	19/*33	22/*17	24/*28	18/*32	14/*30	14/*20	24/*36
27/*30	23/*32	24/*31	*	30/*65	*	*	*	*	30/*65
17/*26	21/*27	25/*43	28/*36	27/*31	23/*41	22/*36	30/*41	29/*30	26/*43
17/*33	30/*35	27/*42	24/*46	25/*31	23/*38	27/*31	32/*31	30/*32	24/*46
17/*47	24/*35	20/*35	30/*34	19/*30	15/*28	23/*23	27/*31	29/*33	27/*47
17/*51	23/*34	23/ 37	08/*27	24/*29	17/*23	31/*30	27/*25	27/*29	24/*51
17/*32	32/*34	34/*62	22/*40	24/*42	17/*30	21/*40	30/*30	31/*36	24/*62
27/*40	21/*27	12/ 53	03/ 32	32/*24	27/*35	32/*34	08/*24	33/*26	12/*63
27/*46	25/*26	27/ 26	33/ 36	18/ 42	18/*29	30/*30	25/*36	13/*33	27/*46
17/*32	33/*35	25/*36	30/*50	17/ 36	23/*34	30/*24	25/*23	24/*23	30/*50
27/*40	22/ 33	27/*45	24/*42	25/ 29	19/*29	23/ 36	30/*30	31/*34	27/*45
27/*30	22/*33	26/ 36	27/*28	29/*38	24/*34	29/*37	25/*31	20/*22	29/*38
17/*32	30/*32	32/ 40	27/*43	17/*23	27/*26	31/*24	24/*42	29/*31	27/*43
27/*37	20/*36	34/ 40	17/*34	29/*30	33/*22	30/*35	29/*28	17/*32	29/*37
17/*33	14/*36	13/ 39	22/*28	11/*30					15/*39

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436 STATION NAME: VOLK FLD ANGR WI PERIOD OF RECORD:  
LST TO UTC: +06 MONTH: ALL HOUR  
.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV  
.....

.....  
GREATEST 33/ 40 29/ 56 26/ 45 08/ 51 SSW 42 12/ 63 30/ 50 30/ 65 23/ 41 19/ 42 W 4  
.....  
TOTAL DRS 408 392 419 418 426 433 399 386 360 365 31  
.....

THE PEAK WIND OF 65 FROM 30/ OCCURRED ON 08/21/75

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE M.  
\*THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH.

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

WOLK FLD ANGR WI  
H06

PERIOD OF RECORD: 6709-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

418	425	433	377	386	360	365	318	344	4665
-----	-----	-----	-----	-----	-----	-----	-----	-----	------

418	425	433	377	386	360	365	318	344	4665
-----	-----	-----	-----	-----	-----	-----	-----	-----	------

30/ OCCURRED ON 08/21/75

ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOUR

MONTH	WIND SPEEDS IN KNOTS									
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54
JAN	.7	6.4	28.2	24.5	24.3	11.3	2.7	1.2	.7	.0
FEB	.5	6.9	29.8	29.6	18.6	9.7	2.0	1.0	.3	.5
MAR	.0	6.2	19.3	31.0	23.2	12.9	6.0	.5	1.0	.0
APR	.0	1.7	13.4	27.5	31.1	14.1	9.5	1.2	1.0	.5
MAY	.0	1.6	22.3	30.8	23.5	14.3	4.9	2.3	.2	.0
JUN	.0	4.8	23.6	26.2	23.8	11.3	4.2	2.1	1.6	.5
JUL	.0	8.0	31.3	30.1	19.3	5.3	2.3	1.8	1.3	.3
AUG	.0	8.0	32.4	27.2	21.8	5.7	2.6	1.3	.8	.0
SEP	.3	4.4	28.3	32.8	23.6	6.7	2.5	1.1	.3	.0
OCT	.0	6.5	20.5	27.9	24.9	12.3	6.0	1.5	.5	.0
NOV	1.3	5.3	24.2	33.3	21.1	9.7	3.5	.6	.9	.0
DEC	.6	11.3	25.9	20.9	24.7	9.5	4.7	1.7	.6	.0
ANNUAL	.3	5.9	24.7	28.5	23.4	10.3	4.4	1.4	.2	.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION: VOLK FLD ANGB WI  
+06

PERIOD OF RECORD: 6709-8808  
MONTH: ALL HOURS: ALL

WIND SPEEDS IN KNOTS								MEAN	MEDIAN	TOTAL
15-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55	WIND	WIND	OBS
24.5	24.3	11.3	2.7	1.2	.7	.0	.0	17.9	17.5	408
29.6	18.6	9.7	2.0	1.0	.3	.5	.0	17.0	16.0	392
31.0	23.2	12.9	6.0	.5	1.0	.0	.0	19.0	18.0	419
27.5	31.1	14.1	9.6	1.2	1.0	.5	.0	21.3	21.0	418
30.6	23.5	14.3	4.9	2.3	.2	.0	.0	19.6	19.5	426
25.2	23.4	11.3	4.2	2.1	1.6	.5	.0	19.3	18.0	433
30.1	19.3	5.3	2.3	1.2	1.3	.3	.0	17.3	16.0	399
27.2	21.2	5.7	2.6	1.3	.8	.0	.3	17.0	16.0	386
32.4	23.5	6.7	2.5	1.1	.3	.0	.0	17.5	17.0	360
27.9	24.9	12.3	5.0	1.6	.5	.0	.0	19.3	19.0	365
33.3	21.1	9.7	3.5	.6	.9	.0	.0	17.3	17.0	319
27.9	24.7	9.6	4.7	1.7	.6	.0	.0	17.7	17.0	344
28.6	23.4	10.3	4.4	1.4	.2	.1	.0	14.4	13.0	4568

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.9											1.9
020-040	.7											.7
050-070	.5	1.0										1.4
(E) 080-100	2.4	1.2	1.0									4.6
110-130	2.2	2.5	1.0									5.7
140-160	1.0	1.0										1.9
(S) 170-190	.5	1.7	1.4									3.4
200-220	2.2	1.9	.7	.2								5.0
230-250	1.7	2.2	.5	.2								4.6
(W) 260-280	7.9	7.4	2.4		.5	.2						10.4
290-310	5.5	7.7	5.5	1.2	.2							20.1
320-340	.5	2.6	1.4		.2							4.7
.....												
VARIABLE												
CAL"	////////////////////////////////////											27.0 /
TOTALS	27.0	29.5	13.9	1.6	.9	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 418

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
CZ: + 5

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: JAN HOURS: 06-08

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
									1.9	2.9	3.0
									.7	3.3	4.0
									1.4	5.7	6.5
									4.5	5.2	4.0
									5.7	6.3	6.0
									1.9	4.4	4.5
									3.8	7.9	7.0
.2									5.0	6.0	5.0
.2									4.5	6.2	6.0
		.5	.2						18.4	6.3	5.0
1.2	.2								20.1	7.9	5.0
	.2								4.0	6.6	6.0
									27.0		
1.6	.2	.2							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 418



OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - J  
MONTH: JAN HOURS: 09-11

WIND SPEED IN KNOTS												TOTAL %	M /
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.9	.6	.1									1.6	
020-040	1.2	.5	.2									1.9	
050-070	.6	.9	.2									1.7	
(E) 080-100	1.3	1.1	.9	.2								4.0	
110-130	1.3	3.6	1.4									6.7	
140-160	2.0	1.5	.1									3.6	
(S) 170-190	1.4	2.4	1.1	.1								4.0	
200-220	1.3	2.7	1.3	.2		.2						6.1	
230-250	1.5	2.4	.9		.1							4.9	
(W) 260-280	3.4	6.5	3.0	.2	.4	.1						12.6	
290-310	4.2	13.9	6.4	2.6	.4	.1						27.6	
320-340	1.2	3.3	2.0	.2								7.6	
VARIABLE													
CALM	////////////////////////////////////											16.3	//
TOTALS	22.0	38.4	19.5	3.5	.9	.4						100.0	
TOTAL NUMBER OF OBSERVATIONS 1011													

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

1: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN HOURS: 09-11

WIND SPEED IN KNOTS							
10-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
							TOTAL %
							MEAN WIND
							MEDIAN WIND
							1.6
							1.9
							1.9
.2							4.0
							6.7
							3.5
.1							4.9
.2							5.1
		.2					5.1
	.1						4.5
.2	.4	.1					12.5
.2	.4	.1					27.5
.2							7.5
							16.8
3.5	.9	.4					100.0
							5.2
							7.0

TOTAL NUMBER OF OBSERVATIONS 1011

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	1.3	1.1	.3									2.7
020-040	1.2	.3	.1									2.1
050-070	.6	1.3	.1									2.1
(E) 080-100	.9	1.4	1.0	.1	.2							3.6
110-130	1.6	3.6	1.3									6.4
140-160	1.7	2.6	1.0									5.2
(S) 170-190	2.1	4.3	.6									6.9
200-220	1.0	2.6	1.1									4.6
230-250	1.3	3.6	1.3									6.1
(W) 260-280	3.0	5.9	6.7	.4	.2	.1						17.3
290-310	4.4	10.6	3.8	2.3	.5	.1						26.2
320-340	.5	2.6	2.9	.4	.3							6.2
.....												
VARIABLE												
CALM	////////////////////////////////////											9.3
TOTALS	19.9	41.4	25.4	3.2	1.2	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 1011

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGWS RI  
SITE: # 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
0-4	5-19	20-24	25-29	30-34	35-39	40-49	50-64	65-69	GE 65			
										2.7	5.1	5.0
										2.1	4.6	4.0
										2.0	5.0	6.0
	.1	.2								3.6	8.3	8.0
										6.4	7.0	7.0
										5.2	6.5	6.0
										6.0	5.8	6.0
										4.6	6.8	7.0
										6.0	7.3	7.0
	.4	.2	.1							17.3	8.5	8.0
	.3	.5	.1							26.3	9.0	8.0
	.4	.3								6.7	7.5	10.0
////////////////////////////////////										9.3	////////////////////////////////	
.4	3.2	1.2	.2							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 1011

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725436

STATION NAME: VOLK FLD ANGRI MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - J  
MONTH: JAN HOURS: 15-17

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	.3	1.1	.3									2.2
020-040	1.0	.8	.1									1.9
050-070	.3	.5	.5									1.4
(E) 080-100	1.4	3.2	.7	.1								4.4
110-130	2.7	3.3	1.5	.3								6.4
140-160	2.3	1.2	.1									4.4
(S) 170-190	2.5	4.3	.5									7.3
200-220	.3	3.7	.4	.1								5.1
230-250	1.4	4.1	.7									6.2
(W) 260-280	3.4	10.9	4.9	.1	.3							19.6
290-310	2.9	9.3	3.4	.7	.5							21.8
320-340	1.4	2.5	1.4	1.1	.1							7.5
VARIABLE												
CALC	////////////////////////////////////											9.3
TOTALS	21.3	45.5	20.2	2.4	.9							100.0

TOTAL NUMBER OF OBSERVATIONS 723

AGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

: VOLK FLD ANGR NI							PERIOD OF RECORD: AUG 73 - JUL 88										
+ 6							MONTH: JAN		HOURS: 15-17								
.....																	
WIND SPEED IN KNOTS																	
-17	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN							
								%	WIND	WIND							
.....																	
								2.2	6.1	6.0							
								1.9	5.2	4.5							
								1.4	7.3	7.0							
.1								4.4	6.6	6.0							
.3								8.4	6.6	6.0							
								4.4	5.7	4.0							
								7.3	5.7	6.0							
.1								5.1	6.5	6.0							
								6.6	6.5	7.0							
.1	.3						19.6	7.6	7.0								
.7	.5						21.8	8.8	8.0								
1.1	.1						7.6	8.3	8.0								
.....																	
								9.3	////////	////							
2.4	.9						100.0	6.7	7.0								
.....																	
NUMBER OF OBSERVATIONS 723																	
.....																	

42-4210 623

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCC) FOR UOLK 2 6

FIELD ANGEL WISCONSIN (U) AIR FORCE ENVIRONMENTAL

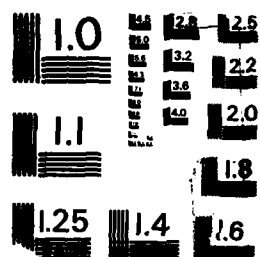
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL MAY 89

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NL





OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AL  
MONTH: JAN HOURS:

	WIND SPEED IN KNOTS										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(N) 350-010	1.1	.8	.2								
020-040	1.1	.6	.1								
050-070	.6	.9	.2								
(E) 080-100	1.5	1.5	.9	.1	.1						
110-130	2.0	3.5	1.3	.1							
140-160	1.8	1.7	.5								
(S) 170-190	1.7	3.3	.9	.0							
200-220	1.4	2.8	.9	.1		.1					
230-250	1.5	3.1	1.1	.0	.0						
(W) 260-280	3.9	7.4	4.5	.2	.3	.1					
290-310	4.1	11.0	7.4	1.9	.4	.1					
320-340	1.0	3.0	2.3	.4	.2						

VARIABLE

CALM

TOTALS 21.7 39.6 20.3 2.8 1.0 .3

TOTAL NUMBER OF OBSERVATIONS 3168

NAME: VOLK FLD ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN HOURS: ALL

WIND SPEED IN KNOTS

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			

WIND		WIND	
%			
100	100	100	100
90	90	90	90
80	80	80	80
70	70	70	70
60	60	60	60
50	50	50	50
40	40	40	40
30	30	30	30
20	20	20	20
10	10	10	10
0	0	0	0

2.1                      4.9                      4.0

1.8      4.8      4.0

1.7      5.9      6.0

.1 .1

4.0      6.8      5.0

• 1

6.9      5.7      6.0

0

6.0      6.2      5.0

.1 .1

5.3      6.9      6.0

.0 .0

5.8      6.9      7.0

.2            .3            .1

16.5      7.7      7.0

1.9      .4      .1

24.9      8.7      5.0

.4                      .2

7.0      8.9      8.0

[illegible]

2.8      1.0      .3

100.0      6.4      7.0

TOTAL NUMBER OF OBSERVATIONS 3168

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 70  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

	WIND SPEED IN KNOTS											
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	2.5	1.0										3.5
020-040	2.1		.6									2.7
050-070	1.0	1.9	1.0									3.9
(E) 080-100	2.1	3.1	.6	.8	.4							7.0
110-130	3.1	4.2	2.1									9.4
140-160	2.1	4.4	1.2									7.7
(S) 170-190	2.5	4.8	1.2									8.5
200-220	2.3	2.5	1.0	.4		.4						6.6
230-250	.6	1.9	.6		.2							3.3
(W) 260-280	1.2	3.5	2.1		1.0	.4						8.2
290-310	4.0	7.1	5.8	1.9	1.0	.2						20.0
320-340	1.9	3.3	2.7	.6	.6							9.1

VARIABLE

CALM // 10.6

TOTALS 25.4 37.7 19.1 3.7 3.2 1.0 100.0

TOTAL NUMBER OF OBSERVATIONS 521

AGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
6 MONTH: JAN HOURS: ALL

HAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
OR  
00 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEDIAN
								%	WIND
								3.5	3.9
								2.7	4.5
								3.8	6.8
								7.1	7.8
								9.4	6.9
								7.7	6.4
								8.4	6.2
								6.5	7.4
								3.3	7.9
								8.1	10.0
1.9	1.0	.2						20.0	9.4
.5	.6							9.0	9.5

10.6  
3.7 3.2 1.0 100.0 7.0 7.0

L NUMBER OF OBSERVATIONS 521

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND S  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JU  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	ME WT
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.4	.7	.9									2.0	2
020-040	1.1	2.4										3.5	5
050-070	3.5	2.4										5.9	4
(E) 080-100	3.7	2.4	1.1									7.3	5
110-130	1.8	2.2										4.0	4
140-160	1.3	1.8	.4									3.5	6
(S) 170-190	2.0	2.6	.4									5.1	5
200-220	1.1	2.2	.7									4.0	6
230-250	1.1	1.8	1.3									4.2	7
(W) 260-280	8.1	3.7	.9									12.8	4
290-310	4.3	4.8	2.9	.9	.2							13.7	7
320-340	1.5	2.0	2.4	.4	.4							6.9	6
VARIABLE													
CALM	////////////////////////////////////											27.3	///
TOTALS	30.4	29.0	11.0	1.3	.6							100.0	4
TOTAL NUMBER OF OBSERVATIONS 454													

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
LAT: + 6 MONTH: FEB HOURS: 06-08

WIND SPEED IN KNOTS												
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN		
								%	WIND	WIND		
								2.0	8.2	8.0		
								3.5	5.8	6.0		
								5.9	4.3	4.0		
								7.3	5.3	4.0		
								4.0	4.8	5.0		
								3.5	5.6	5.0		
								5.1	5.4	6.0		
								4.0	6.9	6.0		
								4.2	7.6	7.0		
								12.8	4.6	4.0		
.9	.2							13.7	7.2	6.0		
.4	.4							6.8	8.8	6.0		

//////////////////// 27.3 //////////////////												
1.3	.6							100.0	4.4	5.5		

TOTAL NUMBER OF OBSERVATIONS 454

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: FEB HOURS: 09-11

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	1.5	2.0	.8	.2								4.6
	020-040	.7	1.9	1.1									3.8
	050-070	1.2	2.5	.7									4.4
(E)	080-100	3.1	3.2	1.4	.1								7.8
	110-130	1.9	4.2	1.0									7.1
	140-160	2.8	1.6	.3	.1								4.8
(S)	170-190	1.3	3.4	.9									5.6
	200-220	1.4	2.8	1.4									5.6
	230-250	.9	1.5	.8	.2								3.5
(W)	260-280	2.7	4.6	2.9	.3	.2							10.7
	290-310	3.3	7.7	4.2	.7	.1							16.5
	320-340	1.2	3.4	3.1	.7	.4	.1						8.9
.....													
VARIABLE													
CALM		////////////////////////////////////											16.7
TOTALS		22.4	38.9	18.6	2.3	.7	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 976

PAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANG8 WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: FEB HOURS: 09-11

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
0-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
.2										4.6	6.8	7.0
										3.8	7.3	8.0
										4.4	6.7	7.0
.1										7.8	6.2	6.0
										7.1	6.5	6.0
.1										4.8	5.1	4.0
										5.6	6.8	7.0
										5.6	7.0	7.0
.2										3.5	7.4	6.5
.3	.2									10.7	7.6	7.0
.7	.1									16.5	7.3	7.0
.7	.4	.1								8.9	9.9	9.0
//////////////////////////////////// 16.7 //////////////////////////////////												
2.3	.7	.1								100.0	6.0	7.0
NUMBER OF OBSERVATIONS 976												



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: FEB HOURS: 12-14

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	1.0	2.1	.7	.4								4.2
	020-040	1.1	1.7	.4									3.3
	050-070	.4	2.4	.7	.1								3.6
(E)	080-100	1.4	3.0	1.4									5.9
	110-130	1.5	2.5	2.1									6.1
	140-160	1.8	2.9	.7									5.4
(S)	170-190	2.1	4.7	1.0	.1								7.9
	200-220	1.2	3.3	.9	.3	.1							5.9
	230-250	1.8	3.5	1.3	.5								7.2
(W)	260-280	4.5	7.1	4.6	.9	.2							17.2
	290-310	3.6	6.5	5.1	.8								16.0
	320-340	1.8	2.7	3.4	.7	.4							9.0
.....													
VARIABLE													
CALM		////////////////////////////////////											8.3
TOTALS		22.2	42.4	22.3	3.7	.7							100.0

TOTAL NUMBER OF OBSERVATIONS 974

TAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

E: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: FEB HOURS: 12-14

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
.....								.....		
.4								4.2	7.8	7.0
								3.3	5.9	6.0
.1								3.6	7.6	8.0
								5.9	7.2	8.0
								6.1	7.4	8.0
								5.4	6.3	7.0
.1								7.9	6.5	6.0
.3	.1							5.9	7.6	7.0
.5								7.2	7.3	7.0
.9	.2							17.2	7.8	8.0
.8								16.0	7.9	8.0
.7	.4							9.0	9.3	9.5
.....								.....		
////////////////////								8.3	////////////////	
3.7	.7							100.0	6.9	7.0

L NUMBER OF OBSERVATIONS 974

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 74  
MONTH: FEB HOURS: 15-17

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	.7	2.3	.8									3.8
020-040	1.4	1.9	.3									3.6
050-070	.4	1.6	1.5									3.6
(E) 080-100	.8	3.7	1.6									6.2
110-130	1.1	3.3	1.2									5.6
140-160	2.6	3.1	.7									6.4
(S) 170-190	1.5	4.4	.3									6.7
200-220	1.6	2.3	.8	.1								4.9
230-250	2.6	3.8	1.5	.3								8.2
(W) 260-280	4.9	6.6	4.9	.7	.1							17.2
290-310	2.3	6.3	6.0	1.4		.1						16.1
320-340	2.5	3.3	3.6	.8								10.1
.....												
VARIABLE												
CALM	////////////////////////////////////											7.5
TOTALS	22.4	42.6	23.7	3.3	.1	.1						100.0
TOTAL NUMBER OF OBSERVATIONS 731												

TOTAL NUMBER OF OBSERVATIONS 731

E FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
6 MONTH: FEB HOURS: 15-17

WIND SPEED IN KNOTS  
9 20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN  
% WIND WIND

									3.8	7.4	6.5
									3.6	5.6	6.0
									3.6	7.8	7.5
									6.2	7.4	9.0
									5.6	6.8	6.0
									6.4	5.2	5.0
									6.7	6.3	6.0
1									4.9	6.6	6.5
3									8.2	7.0	6.5
7	.1								17.2	7.6	8.0
4		.1							16.1	9.1	9.0
3									10.1	8.4	8.0

//////////////////////////////////// 7.5 //////////////////////////////////  
3 .1 .1 100.0 6.9 7.0

NUMBER OF OBSERVATIONS 731

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: FEB HOURS: 1

		WIND SPEED IN KNOTS											
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(DEGREES)													
(N)	350-010	1.0	1.9	.8	.2								
	020-040	1.1	1.9	.5									
	050-070	1.1	2.2	.8	.0								
(E)	080-100	2.1	3.1	1.4	.0								
	110-130	1.6	3.2	1.2									
	140-160	2.2	2.4	.5	.0								
(S)	170-190	1.7	3.9	.9	.0								
	200-220	1.4	2.7	1.0	.1	.0							
	230-250	1.6	2.7	1.2	.3								
(W)	260-280	4.6	5.7	3.6	.5	.2							14
	290-310	3.5	6.6	4.7	.9	.1	.0						15
	320-340	1.5	2.9	3.2	.7	.3	.0						
.....													
VARIABLE													
CALM		////////////////////////////////////											13
TOTALS		23.7	39.2	19.8	2.7	.5							100

TOTAL NUMBER OF OBSERVATIONS 3135

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: FEB HOURS: ALL

WIND SPEED IN KNOTS

14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
									%	WIND	WIND
.1	.2								3.9	7.4	7.0
.5									3.5	6.3	6.0
.1	.0								4.2	6.6	7.0
.4	.0								6.7	6.6	6.0
.2									6.0	6.7	6.0
.5	.0								5.2	5.5	5.0
.1	.0								6.5	6.4	6.0
.1	.1	.0							5.3	7.1	7.0
.2	.3								5.8	7.2	7.0
.5	.5	.2							14.5	7.3	7.0
.7	.9	.1	.0						15.9	7.9	8.0
.2	.7	.3	.0						8.9	9.2	9.0

//////////////////// 13.5 //////////////////  
2.7 .5 100.0 6.3 7.0

TOTAL NUMBER OF OBSERVATIONS 3135

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: FEB HOURS: AL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64		GE 65
(N) 350-010	2.4	2.7	.2									5.3
020-040	2.4	4.2	.4									6.9
050-070	2.6	3.3	1.5	.2								8.0
(E) 080-100	3.1	7.5	3.7	.2								14.4
110-130	1.6	4.9	1.3									7.7
140-160	2.4	2.4	.9	.2								5.8
(S) 170-190	2.0	3.5	.5	.2								6.2
200-220	1.3	1.1	.2	.2	.2							2.9
230-250	.9	.5	.9	.9								3.1
(W) 260-280	2.7	2.4	1.3	.4	.4							7.1
290-310	2.0	4.0	4.2	.5								10.7
320-340	2.7	2.0	1.6	.2	.5							7.1
VARIABLE												
CALM	////////////////////////////////////										14.1	
TOTALS	26.1	39.0	16.7	3.0	1.1							100.0

TOTAL NUMBER OF OBSERVATIONS 547

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGWS WI PERIOD OF RECORD: AUG 73 - JUL 88  
+ 6 MONTH: FEB HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
1000 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								%	WIND WIND
								5.3	5.1 5.0
								6.9	5.9 6.0
.2								8.0	6.4 6.0
.2								14.4	7.1 7.0
								7.9	6.7 7.0
.2								5.9	6.1 5.0
.2								6.2	6.0 5.0
.2	.2							2.9	6.6 6.0
.2								3.3	10.2 11.0
.4	.4							7.1	7.5 6.0
.5								10.3	8.2 6.0
.2	.5							7.1	7.9 7.0

//////////////////// 14.1 //////////////////  
4.0 1.1 100.0 5.0 6.0

TOTAL NUMBER OF OBSERVATIONS 547



OPERATING LOCATION "A"  
USAFFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAR HOURS: 06-01

		WIND SPEED IN KNOTS										TOTAL	
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%
(N)	350-010	1.5	2.8	1.5									5.8
	020-040	1.3	2.3	.5	.3								4.4
	050-070	1.3	1.0	.3									2.5
(E)	080-100	4.3	3.5	2.5									10.3
	110-130	3.0	5.0	1.5	.3								9.8
	140-160	1.5	1.3	1.3									4.5
(S)	170-190	.3	2.3	2.3	.3								5.0
	200-220	1.3	3.3	.3		.3							5.0
	230-250	2.0	2.3	.5		.3							5.0
(W)	260-280	2.5	1.5	.5	.5								5.0
	290-310	3.3	6.0	5.3	.5								15.1
	320-340	1.5	4.3	2.5	1.0								10.3
.....													
VARIABLE													
CALM		////////////////////////////////////											16.3
TOTALS		24.6	35.6	13.3	2.9	.6							100.0

TOTAL NUMBER OF OBSERVATIONS 398

BASE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI  
PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR HOURS: 06-08

WIND SPEED IN KNOTS									
10-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND
								5.8	7.3
								4.8	5.9
								2.5	5.1
								10.3	6.3
								9.8	6.6
								4.5	7.1
								5.0	9.5
								5.0	6.8
								5.0	5.5
								5.0	5.9
								15.1	7.3
								10.3	8.5
								15.3	
2.9	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 398

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG S WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64		GE 65
(N) 350-010	1.3	3.7	2.3	.3								7.5
020-040	1.3	2.1	1.0	.2								4.6
050-070	.9	1.7	1.4									3.9
(F) 080-100	2.2	4.3	3.2	.1								9.8
110-130	2.5	4.3	3.3	.1	.1							10.3
140-160	1.7	2.7	1.3	.2	.1							6.0
(S) 170-190	.4	3.2	3.1	.5								7.2
200-220	1.5	1.2	1.4	.1		.2						4.7
230-250	.7	2.4	1.5	.2	.1							4.9
(W) 260-280	1.4	3.0	2.1	.7	.4							7.5
290-310	2.5	4.8	5.1	1.6								14.0
320-340	1.7	5.0	2.3	1.2	.1							10.7
VARIABLE												
CALM	////////////////////////////////////										7.8	
TOTALS	13.5	38.4	29.4	5.2	.8	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 1024

OF FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WOLK FLD ANG8 W1								PERIOD OF RECORD: AUG 73 - JUL 88			
								MONTH: MAR HOURS: 09-11			
WIND SPEED IN KNOTS											
10	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
								%	WIND	WIND	
.0								7.5	7.9	8.0	
.1								4.6	6.9	6.0	
								3.9	7.7	8.0	
.1								9.9	7.7	8.0	
.1	.1							10.8	7.7	8.0	
.1	.1							6.0	7.7	8.0	
								7.5	8.1	8.0	
.1		.2						4.7	8.5	8.5	
.2	.1							4.9	8.4	8.0	
.2	.4							7.5	9.2	8.0	
.2								14.0	9.0	9.0	
.2	.1							10.7	8.4	8.0	
								7.8			
.2	.8	.2						100.0	7.3	8.0	

NUMBER OF OBSERVATIONS 1024

OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAR HOURS: 12-14

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.3	2.5	2.3	.5								6.6
020-040	1.0	1.5	1.1	.1								3.6
050-070	1.0	1.6	1.5									4.2
(E) 080-100	1.1	3.5	3.3	.4								8.2
110-130	.9	4.4	3.7	.8	.2							10.1
140-160	1.0	3.3	2.5	.5								7.3
(S) 170-190	.9	3.6	1.3	.5	.1							6.3
200-220	1.1	2.0	2.5	.6	.3	.1						6.6
230-250	1.0	2.0	1.3	.4	.5		.1					6.2
(W) 260-280	1.5	4.4	4.5	.5	.5							11.4
290-310	1.7	5.8	6.0	2.2	.4							16.2
320-340	1.1	4.2	3.1	1.3								9.6
VARIABLE												
CALM	////////////////////////////////////											4.9
TOTALS	13.5	38.8	33.3	7.5	2.0	.1	.1					100.0
TOTAL NUMBER OF OBSERVATIONS 1034												

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

ST: VOLK FLD ANGR WI  
: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR HOURS: 12-14

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND WIND
.5								5.6	8.3
.1								3.6	7.3
								4.2	7.4
.4								8.2	8.9
.5	.2							10.1	9.5
.5								7.3	8.5
.5	.1							6.3	8.6
.6	.3	.1						6.6	9.9
.4	.5		.1					5.2	9.6
.5	.5							11.4	9.3
2.2	.4							16.2	10.1
1.3								9.6	9.1
////////////////////////////////////									4.9
7.5	2.0	.1	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1034

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: MAR HOURS: 15-17

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N)	350-010	.6	3.3	3.1	.3	.1							7.5
	020-040	.9	1.3	.6									2.8
	050-070	.7	1.2	1.3	.1								3.3
(E)	080-100	.9	3.6	3.1	.7								8.3
	110-130	.7	2.7	5.1	.4								9.9
	140-160	1.8	1.9	1.9	.1								5.7
(S)	170-190	1.5	4.8	1.9	1.0								9.2
	200-220	.6	.7	.9	.6	.1							3.0
	230-250	1.2	1.9	2.1	1.3		.3						6.8
(W)	260-280	1.3	4.9	4.6	1.3	.4							12.5
	290-310	2.2	5.7	5.4	1.3	.3							15.0
	320-340	1.0	5.1	3.7	.9								10.7
.....													
VARIABLE													
CALM		////////////////////////////////////										5.1	
TOTALS		13.5	37.1	34.0	8.0	.9	.3						100.0

TOTAL NUMBER OF OBSERVATIONS 669

USE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: MAR HOURS: 15-17

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.3	.1							7.5	8.9	9.0
								2.8	6.3	7.0
.1								3.4	8.1	9.0
.7								8.4	8.8	9.0
.4								9.0	9.8	10.0
.1								5.7	7.6	7.0
.0								9.4	8.3	8.0
.6	.1							3.0	9.9	10.0
.3		.3						6.2	10.6	10.0
.3	.4							12.7	9.8	10.0
.3	.3							15.4	9.6	9.0
.0								10.8	8.9	8.0

//////////////////////////////////// 5.1 //////////////////////////////////

3.0 .9 .3 100.0 8.7 9.0

NUMBER OF OBSERVATIONS 669



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - J  
MONTH: MAR HOURS: ALL

WIND SPEED IN KNOTS											
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(DEGREES)											TOTAL
(N) 350-010	1.2	3.1	2.4	.3	.0						7.0
020-040	1.2	1.8	.9	.1							3.9
050-070	.9	1.5	1.3	.0							3.7
(E) 080-100	1.5	3.3	3.1	.3							9.1
110-130	1.5	4.1	3.8	.4	.1						10.0
140-160	1.4	2.6	1.8	.3	.0						5.1
(S) 170-190	.9	3.6	2.1	.6	.0						7.2
200-220	1.1	1.6	1.6	.4	.2	.1					5.0
230-250	1.1	2.2	1.4	.5	.2	.1	.0				5.4
(W) 260-280	1.5	3.7	3.2	.7	.4						9.5
290-310	2.3	5.5	5.6	1.6	.2						15.1
320-340	1.3	4.7	3.1	1.1	.0						10.3
VARIABLE											
CALM	////////////////////////////////////										7.4
TOTALS	16.3	38.2	30.3	6.3	1.1	.2					100.0

TOTAL NUMBER OF OBSERVATIONS 3125

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

ME: VOLK FLD ANGB WI  
1 + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR HOURS: ALL

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								%	WIND WIND
.3	.0							7.0	8.2 8.0
.1								3.9	6.8 6.0
.0								3.7	7.4 3.0
.3								9.1	8.1 3.0
.4	.1							10.0	8.6 8.0
.3	.0							6.1	7.9 8.0
.5	.0							7.2	8.8 3.0
.4	.2	.1						5.0	9.1 9.5
.5	.2	.1	.0					5.4	9.2 9.0
.7	.4							9.6	9.2 9.0
1.6	.2							15.1	9.4 9.0
1.1	.0							10.3	8.9 5.0

//////////////////////////////////// 7.4 //////////////////////////////////  
6.3 1.1 .2 100.0 3.0 9.0

TOTAL NUMBER OF OBSERVATIONS 3125

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGE WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: MAR HOURS: 40

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	1.0	4.7	2.8	.6	.2							9.3
020-040	1.0	1.4	.4	.2								3.0
050-070	1.2	1.3	2.6									5.1
(E) 080-100	3.1	5.5	6.7	.2								15.5
110-130	2.2	8.5	4.1	.4								15.2
140-160	1.8	2.4	2.8	.2								7.2
(S) 170-190	1.0	3.5	1.3	.4								6.2
200-220	1.6	2.0	.2									3.8
230-250	1.2	2.0										3.2
(W) 260-280	.2	2.0	.4	.4								3.0
290-310	1.6	5.1	5.3	.6								12.6
320-340	1.2	5.3	1.2	.4								8.1

VARIABLE

CALM	////////////////////											5.1
TOTALS	17.9	44.2	29.3	3.4	.2							100.0

TOTAL NUMBER OF OBSERVATIONS 509

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WILK FLD ANGR WI PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR HOURS: ALL

1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
								%	WIND	WIND
.2								9.3	8.4	8.0
								3.0	6.2	5.0
								5.5	7.4	9.0
								15.6	8.2	9.0
								15.7	7.8	8.0
								7.1	8.3	8.5
								6.7	8.1	7.5
								3.9	5.8	5.5
								3.1	5.3	6.0
								3.0	8.8	8.0
								12.6	8.9	9.0
								8.1	7.6	7.0

//////////////////////////////////// 6.5 //////////////////////////////////////  
.2 100.0 7.4 8.0

NUMBER OF OBSERVATIONS 508

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: APR HOURS: 06

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOT %
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64		
(N) 350-010	1.8	3.7	.7									5.
020-040	.9	2.1	.9									3.
050-070	1.6	3.7	.2									5.
(E) 080-100	3.2	3.7	1.4	.7	.2							9.
110-130	2.1	7.4	2.3	.2								12.
140-160	2.3	2.8	1.4									6.
(S) 170-190	1.8	.9	.7	.2								3.
200-220	.7	2.1	1.4									4.
230-250	.5	3.2	.7	.7	.2							5.
(W) 260-280	1.6	2.1	2.1	.9	.5							7.
290-310	2.5	3.9	2.5	.5	.2	.2						9.
320-340	1.4	5.3	3.0	.7								10.
VARIABLE												
CALM	////////////////////////////////////											14.
TOTALS	20.4	40.9	19.3	3.9	1.1	.2						100.

TOTAL NUMBER OF OBSERVATIONS 433

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG3 WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: APR HOURS: 06-08

WIND SPEED IN KNOTS

14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.7									6.2	5.8	5.0
.9									3.9	6.5	6.0
.2									5.5	5.5	6.0
.7	.7	.2							9.7	7.0	5.0
.3	.2								12.0	7.1	7.0
.7									6.2	6.3	6.5
.7	.2								3.7	6.9	6.0
.7									4.4	7.2	6.0
.7	.7	.2							5.3	9.0	9.0
.1	.9	.5							7.2	9.5	9.0
.5	.5	.2	.2						9.9	8.4	8.0
.9	.7								10.4	8.4	8.0

//////////////////////////////////// 14.8 //////////////////////////////////  
 .3 3.9 1.1 .2 100.0 6.4 7.0

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION MAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: APR HOURS: 09-11

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.7	2.4	1.9	.4	.1							6.6
020-040	2.5	2.8	.8									6.0
050-070	1.8	3.3	1.5	.1								6.7
(E) 080-100	1.0	3.9	3.2	.5	.2							8.8
110-130	2.1	4.3	3.5	.5								11.0
140-160	.3	2.9	2.3	.7	.1							6.0
(S) 170-190	1.3	2.7	1.7	.2								5.9
200-220	1.0	1.4	1.5	.2								4.3
230-250	.6	2.3	2.3	.9	.2							6.2
(W) 260-280	.9	2.7	3.2	.8								7.6
290-310	1.5	3.7	4.2	1.3	.7	.2	.1					11.7
320-340	1.6	4.5	5.4	1.2								12.9
VARIABLE												
CALM	////////////////////////////////////											5.3
TOTALS	16.3	37.5	31.7	6.8	1.3	.2	.1					100.0

TOTAL NUMBER OF OBSERVATIONS 977

ARE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WJLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: APR HOURS: 09-11

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.4	.1							6.6	7.9	7.5
								6.0	5.9	5.0
.1								6.9	7.2	7.0
.5	.2							8.2	8.9	8.5
.9								11.0	8.1	8.0
.7	.1							8.8	8.3	8.5
.2								5.9	7.5	7.0
.2								4.3	8.1	9.0
.9	.2							6.2	10.3	10.0
.4								7.6	9.4	10.0
1.1	.7	.2	.1					11.8	10.7	10.0
1.2								12.9	9.4	10.0

//////////////////////////////////// 5.3 //////////////////////////////////  
5.5 1.3 .2 .1 100.0 8.3 8.5

TOTAL NUMBER OF OBSERVATIONS 977



OPERATING LOCATION: WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB W1  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - J  
MONTH: APR HOURS: 12-14

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.0	3.4	3.3	.5	.1							8.4
020-040	1.4	3.7	.8									5.9
050-070	.8	3.7	1.7	.3								6.5
(E) 080-100	1.8	2.7	2.9	.8	.1							5.4
110-130	.3	2.5	4.1	1.2	.1							6.5
140-160	.7	2.9	2.1	.3								6.5
(S) 170-190	.4	2.8	1.9	.7								5.8
200-220	.9	2.1	2.5	.5								6.3
230-250	1.6	1.9	3.2	.7	.3							7.7
(W) 260-280	.9	2.5	2.5	.8	.5	.1						7.4
290-310	1.8	2.6	5.1	1.9	.6	.3						12.4
320-340	1.5	3.9	5.6	1.7								12.8
.....												
VARIABLE												
CALM	////////////////////////////////////											3.0
TOTALS	13.6	34.7	36.1	9.9	1.7	.4						100.0

TOTAL NUMBER OF OBSERVATIONS 994

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANG3 WI  
TIME: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: APR HOURS: 12-14

WIND SPEED IN KNOTS								
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
.5	.1							8.4
								5.9
.3								6.5
.3	.1							8.4
1.2	.1							8.8
.3								6.5
.7								5.8
.5								6.3
.7	.3							7.7
.3	.5	.1						7.4
1.9	.6	.3						12.4
1.7								12.8

//////////////////// 3.0 //////////////////  
9.9 1.7 .4 100.0 9.2 9.0

TOTAL NUMBER OF OBSERVATIONS 994

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB 41  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: APR HOURS: 15-

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	1.5	3.9	2.0	.8	.3							5.7
020-040	1.2	2.4	1.2									4.8
050-070	.7	3.6	1.9	.5								6.7
(E) 080-100	1.0	3.2	3.1	1.2								8.5
110-130	.8	2.5	3.0	.5	.2							6.0
140-160	1.0	3.2	1.5	.7								5.5
(S) 170-190	.7	1.5	2.0	.5								5.7
200-220	.7	2.5	2.7	.3								6.2
230-250	1.0	2.0	2.0	.7	.2	.2						7.1
(W) 260-280	.7	4.4	2.4	1.7	.2							9.4
290-310	.8	3.2	5.9	1.7	.3	.5						12.6
320-340	1.4	4.4	5.1	1.7	.3							12.9

VARIABLE

CALM	////////////////////////////////////	2.5
TOTALS	11.5 37.7 35.5 10.3 1.5 .7	100.0

TOTAL NUMBER OF OBSERVATIONS 589

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: APR HOURS: 15-17

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
	.8	.3								8.7	8.6	9.0
										4.8	5.6	6.0
	.5									6.6	8.6	8.0
	1.2									8.5	9.3	9.5
	.5	.2								8.0	9.7	10.0
	.7									6.5	8.7	8.0
	.5									5.6	9.7	10.0
	.3									6.3	8.9	9.0
	.7	.2	.2							7.8	9.6	9.5
	1.7	.2								9.3	10.0	9.0
	1.7	.3	.5							12.6	11.4	11.0
	1.7	.3								12.9	9.9	10.0

//////////////////////////////////// 2.5 //////////////////////////////////

.5 10.3 1.5 .7 100.0 9.3 9.5

TOTAL NUMBER OF OBSERVATIONS 589

OPERATING LOCATION WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: APR HOURS: AL

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT
(DEGREES)												
(N) 350-010	1.5	3.2	2.2	.5	.1							7.
020-040	1.6	2.9	.9									5.
050-070	1.2	3.5	1.5	.2								6.
(E) 080-100	1.6	3.3	2.9	.8	.1							6.
110-130	1.4	4.0	3.6	.7	.1							9.
140-160	1.0	2.9	2.0	.6	.0							6.
(S) 170-190	1.0	2.2	1.9	.4								5.
200-220	.9	2.0	2.2	.3								5.
230-250	1.0	2.4	2.5	.6	.2	.0						6.
(W) 260-280	1.0	2.9	2.7	1.0	.3	.0						7.
290-310	1.5	3.3	4.4	1.5	.5	.3	.0					11.
320-340	1.5	4.4	5.1	1.4	.1							12.
VARIABLE												
CALM	////////////////////////////////////											5.
TOTALS	15.3	37.0	32.1	8.2	1.4	.3						100.

TOTAL NUMBER OF OBSERVATIONS 2993

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 HI  
LOC: + 6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: APR HOURS: ALL

WIND SPEED IN KNOTS					TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39			
.5	.1				7.5	8.2	8.0
					5.4	6.4	6.0
.2					6.5	7.5	7.0
.3	.1				8.7	8.7	9.0
.7	.1				9.8	8.8	9.0
.6	.0				6.6	8.5	8.0
.4					5.5	8.5	8.0
.3					5.4	8.3	9.0
.5	.2	.0			6.7	9.7	10.0
1.0	.3	.0			7.8	9.8	10.0
1.5	.5	.3	.0		11.9	10.7	10.0
1.4	.1				12.5	9.6	10.0

1	8.2	1.4	.3		100.0	8.5	9.0
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TOTAL NUMBER OF OBSERVATIONS 2993

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

	WIND SPEED IN KNOTS										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65 TOTAL
(N) 350-010	2.1	5.0	3.2								10.3
020-040	3.5	6.2	2.4								12.1
050-070	1.8	11.8	7.7	.6							21.9
(E) 080-100	2.1	8.0	2.7	1.2	.9						14.7
110-130	.9	1.2	2.4	1.8							6.2
140-160	.6	1.8	1.5	.3							4.1
(S) 170-190	.9	.6									1.5
200-220	1.2	.3									1.5
230-250	.3	.9	.3								1.5
(W) 260-280	.3	.9	1.5	.9	.6						4.1
290-310	.9	3.5	3.8	.9	.3	1.2					10.6
320-340	1.2	3.5	5.3	.3							10.3

VARIABLE

CALM	////////////////////										1.2
TOTALS	15.8	43.7	30.8	6.0	1.8	1.2					100.0

TOTAL NUMBER OF OBSERVATIONS 339

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 41 PERIOD OF RECORD: AUG 73 - JUL 89  
TC: + 6 MONTH: APR HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								%	WIND WIND
								10.3	7.5 7.0
								12.1	6.6 6.0
.6								21.9	3.4 5.0
1.2	.9							14.7	9.0 8.0
1.6								6.2	10.4 11.0
.3								4.1	9.5 8.0
								1.5	4.9 4.0
								1.5	4.8 4.0
								1.5	7.2 5.0
.9	.6							4.1	12.9 14.0
.9	.3	1.2						10.6	11.7 10.0
.3								10.3	9.1 10.0

//////////////////////////////////// 1.2 //////////////////////////////////  
6.0 1.2 1.2 100.0 8.7 8.0

TOTAL NUMBER OF OBSERVATIONS 339



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: MAY HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64
(N) 350-010	1.9	2.1	.6	.1						
020-040	2.2	1.5	.1	.1						
050-070	2.5	2.5	.4							
(E) 080-100	3.3	3.1	.6							
110-130	5.4	5.2	.9							
140-160	3.1	3.4	.3							
(S) 170-190	1.5	5.5	1.2							
200-220	1.3	2.2	1.0							
230-250	1.5	4.0	.6	.3						
(W) 260-280	2.4	3.3	1.2							
290-310	2.5	4.2	2.5	.1	.3					
320-340	1.6	3.1	1.6		.1					
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	29.7	40.1	11.9	.6	.4					

TOTAL NUMBER OF OBSERVATIONS 663

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI  
ELEVATION: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY HOURS: 06-08

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
.1										4.8	6.0	5.0
.1										4.0	4.9	4.0
										5.5	5.0	5.0
										7.0	5.3	5.0
										11.5	5.3	5.0
										6.9	5.4	5.0
										8.2	7.0	7.0
										5.0	5.9	5.0
.3										5.4	7.1	7.0
										6.9	6.0	6.0
.1	.3									9.7	7.4	7.0
	.1									6.6	7.2	7.0
////////////////////////////////////										15.3	////////////////////////////////	
.0	.4									100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 663

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: 09-1

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.3	3.3	.9	.3								5.7
020-040	2.0	1.7	.7	.1								4.6
050-070	2.3	2.2	1.2									5.7
(E) 080-100	2.5	3.3	1.5	.2								7.6
110-130	2.8	6.0	1.6									10.4
140-160	1.8	4.1	1.5									7.6
(S) 170-190	2.0	5.4	3.0	.3								10.4
200-220	1.5	3.2	2.4	.3								7.4
230-250	1.5	2.4	2.1	.4	.2							6.6
(W) 260-280	1.2	3.8	2.6	.2								7.4
290-310	1.8	3.9	3.1	.4	.2							9.4
320-340	2.2	3.6	2.4	.1								8.4
.....												
VARIABLE												
CALM	////////////////////////////////////											3.0
TOTALS	22.9	42.9	23.3	2.3	.4							100.0
TOTAL NUMBER OF OBSERVATIONS 1029												
.....												

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

ST: VOLK FLD ANGR WI  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: MAY HOURS: 09-11

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
0-17	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
.....												
.3										5.7	6.9	6.0
.1										4.6	5.8	5.0
										5.7	6.0	5.0
.2										7.5	6.5	6.0
										10.4	6.5	6.0
										7.8	7.0	7.0
.3										10.8	7.7	8.0
.3										7.4	7.9	8.0
.4	.2									6.6	8.6	9.0
.2										7.8	8.1	9.0
.4	.2									9.4	8.5	8.0
.1										8.4	7.3	7.0
.....												
////////////////////										9.0	////////////////	
2.3	.4									100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 1029

OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: 12-1

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.3	2.2	1.1	.5								5.1
020-040	1.9	2.2	.6									4.7
050-070	1.6	2.9	.5	.2								5.2
(E) 080-100	1.2	2.8	2.7	1.2								7.9
110-130	1.3	4.2	2.9	.2								9.1
140-160	1.5	4.9	1.2	.2								8.3
(S) 170-190	1.4	7.5	4.7	.2	.1							13.9
200-220	.9	2.5	3.1	.5								7.0
230-250	.9	3.2	2.3	.9								7.8
(W) 260-280	1.9	2.2	2.2	.9	.2							7.4
290-310	2.1	3.7	4.2	.6	.2							11.3
320-340	1.5	3.2	2.1	.2								6.9
.....												
VARIABLE												
CALM	////////////////////////////////////											5.4
TOTALS	13.0	41.5	29.3	5.6	.5							100.0

TOTAL NUMBER OF OBSERVATIONS 1024

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB HI  
LOC: + 6

PERIOD OF RECORD: AUG 73 - JUL 89  
MONTH: MAY HOURS: 12-14

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
.5										5.1	7.4	6.5
										4.7	5.9	5.5
.2										5.2	6.2	6.0
1.2										7.9	9.1	9.0
.2										9.1	7.3	8.0
.2										3.3	7.5	6.0
.2	.1									13.9	6.2	8.0
.5										7.0	9.2	10.0
.2										7.8	9.1	9.0
.9	.2									7.4	8.5	8.0
.6	.2									11.3	8.3	9.0
.2										6.9	7.5	6.0

//////////////////////////////////// 5.4 //////////////////////////////////

5.6 .5 100.0 7.7 9.0

TOTAL NUMBER OF OBSERVATIONS 1024

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: 15-1

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	1.3	2.8	2.2	.2								6.5
	020-040	2.4	1.5	.4									4.3
	050-070	.6	3.0	.4	.2								4.3
(E)	080-100	.6	3.5	3.9	.4								8.4
	110-130	1.3	4.3	1.9	.2	.2							8.0
	140-160	1.9	5.0	1.7									8.6
(S)	170-190	2.2	6.0	2.2	.4	.2							11.7
	200-220	2.4	3.0	3.0	.9	.2							9.6
	230-250	1.5	3.0	2.4	.9								7.8
(W)	260-280	1.7	4.3	3.5	.6								10.2
	290-310	.6	5.0	4.3	1.5								11.4
	320-340	1.1	2.4	1.7									5.2
.....													
VARIABLE													
CALM		////////////////////////////////////										4.1	
TOTALS		17.6	43.6	23.2	5.3	.6							100.0

TOTAL NUMBER OF OBSERVATIONS 463

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB HI PERIOD OF RECORD: AUG 73 - JUL 88  
TIME ZONE: UTC + 6 MONTH: MAY HOURS: 15-17

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
0.2	.2								6.5	7.6	8.0	
.4									4.3	4.8	4.0	
.4	.2								4.3	6.9	6.0	
0.9	.4								8.4	8.7	10.0	
1.9	.2	.2							8.0	7.9	7.0	
1.7									8.6	6.9	7.0	
2.2	.4	.2							11.7	7.8	7.0	
3.0	.9	.2							9.5	8.5	8.5	
2.4	.9								7.8	8.6	8.0	
3.6	.6								10.2	8.3	8.0	
4.3	1.5								11.4	9.7	10.0	
1.7									5.2	7.3	6.5	

//////////////////// 4.1 //////////////////  
0.2 5.3 .6 100.0 7.7 8.0

TOTAL NUMBER OF OBSERVATIONS 463



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANG6 WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: MAY HOUR

	WIND SPEED IN KNOTS					
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29 30-34 35-39 40-49 50-64 GE 65
(N) 350-010	1.4	2.6	1.1	.3		
020-040	2.1	1.8	.5	.1		
050-070	1.9	2.6	.7	.1		
(E) 080-100	2.0	3.1	2.0	.5		
110-130	2.3	5.0	1.9	.1	.0	
140-160	2.0	4.3	1.5	.1		
(S) 170-190	1.7	6.2	3.1	.2	.1	
200-220	1.5	2.8	2.6	.4	.0	
230-250	1.3	3.1	2.1	.5	.1	
(W) 260-280	1.7	3.3	2.3	.4	.1	
290-310	1.9	4.1	3.7	.6	.2	
320-340	1.7	3.2	2.0	.1	.0	

VARIABLE  
CALM  
TOTALS 22.0 42.1 23.5 3.5 .5

TOTAL NUMBER OF OBSERVATIONS 3144

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG6 WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
.1	.3									5.4	7.0	5.0
.5	.1									4.5	5.5	5.0
.7	.1									5.3	5.9	5.0
.7	.5									7.7	7.5	5.0
.7	.1	.0								9.9	5.7	5.0
.5	.1									7.9	6.9	7.0
.1	.2	.1								11.4	7.8	3.0
.5	.4	.0								7.3	8.3	3.0
.1	.6	.1								7.1	8.5	3.0
.3	.4	.1								7.3	7.9	3.0
.7	.6	.2								10.4	8.5	5.0
.3	.1	.0								7.1	7.4	7.0

//////////////////// 8.3 //////////////////  
0.5 3.5 .5 100.0 6.3 7.0

TOTAL NUMBER OF OBSERVATIONS 3184

OPERATING LOCATION "A"  
USAFETAC, ASHFVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

	WIND SPEED IN KNOTS											
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	2.3	5.4	.4									8.1
020-040	5.0	2.7	.4	.4								8.5
050-070	4.6	3.1	1.9									14.7
(E) 080-100	4.6	6.2	1.9	.4								13.1
110-130	4.6	6.9	.8									12.4
140-160	1.2	2.7	1.2									5.1
(S) 170-190	1.5	2.3	.4									4.2
200-220	.8	.4										1.2
230-250	.4	.4										.8
(W) 260-280	.4	1.5	2.7	.4								5.1
290-310	1.5	2.7	1.5									5.7
320-340	3.9	2.7	.8									7.4

VARIABLE

CALM // 13.9

TOTALS 30.8 42.0 12.0 1.2 100.0

TOTAL NUMBER OF OBSERVATIONS 259

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI PERIOD OF RECORD: AUG 73 - JUL 88  
TC: + 6 MONTH: MAY HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
(0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
								%	WIND	WIND
								8.1	5.6	5.0
.4								8.5	4.3	4.0
								14.7	5.9	5.0
.4								13.1	6.4	5.5
								12.4	5.5	5.0
								5.0	6.5	7.0
								4.2	5.7	5.0
								1.2	4.0	4.0
								.4	5.5	5.5
.4								5.0	9.5	10.0
								5.8	7.1	7.0
								7.3	4.3	4.0

//////////////////////////////////// 13.9 //////////////////////////////////  
1.2 100.0 5.1 6.0

TOTAL NUMBER OF OBSERVATIONS 259

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG9 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUN HOURS: 06-

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	1.9	1.5	.5									4.0
	020-040	2.2	1.4	.1									3.7
	050-070	1.8	1.8	.3									3.9
(E)	080-100	4.5	2.7	.3									7.5
	110-130	5.7	4.5	.9									11.1
	140-160	2.7	3.9	1.0									7.6
(S)	170-190	2.3	3.5	1.3									7.1
	200-220	1.5	3.1	.9	.3								5.8
	230-250	1.7	5.9	2.1	.1								9.8
(W)	260-280	2.2	3.7	2.6	.3								9.2
	290-310	2.7	4.4	3.0	.1	.1							10.3
	320-340	3.2	2.4	.3	.3								6.2
.....													
VARIABLE													
CALM		////////////////////////////////////											13.5
TOTALS		32.5	38.9	13.3	1.1	.1							100.0

TOTAL NUMBER OF OBSERVATIONS 776

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
: + 4

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: 06-08

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
										4.0	5.5	5.0
										3.7	4.4	4.0
										3.9	4.9	5.0
										7.6	4.3	4.0
										11.1	5.1	4.0
										7.6	5.0	6.0
										7.7	6.9	7.0
.3										5.9	7.0	6.0
.1										9.4	7.4	7.5
.3										8.3	7.5	7.0
.1	.1									10.3	7.2	7.0
.3										6.2	5.3	4.0
////////////////////////////////////										13.5	////////////////////////////////	
1.1	.1									100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 776

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUN HOURS: 0

		WIND SPEED IN KNOTS												
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	
(N)	350-010	1.9	1.6	.8									4	
	020-040	1.9	1.9	.5									4	
	050-070	1.5	1.9	.5									4	
(E)	080-100	2.0	2.7	.8									5	
	110-130	3.4	5.6	1.5									10	
	140-160	2.2	4.4	1.9	.1								8	
(S)	170-190	1.4	4.2	3.2	.1								8	
	200-220	1.2	4.4	1.9	.2								7	
	230-250	1.3	4.5	3.3	.3	.2							9	
(W)	260-280	1.9	4.1	3.2	.5								10	
	290-310	2.4	5.1	4.4	.5								12	
	320-340	2.2	3.8	1.3	.2	.1							7	
.....														
VARIABLE														
CALM		////////////////////////////////////												6
TOTALS		23.4	44.2	23.7	2.1	.3							100	

TOTAL NUMBER OF OBSERVATIONS 1137

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
STC: + 6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: JUN HOURS: 09-11

WIND SPEED IN KNOTS

15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								4.3	5.7	5.0
								4.3	5.3	5.0
								4.0	5.7	5.0
								5.6	5.8	6.0
								10.4	6.1	6.0
.1								8.6	7.0	7.0
.1								8.9	8.1	8.0
.2								7.7	7.5	7.0
.3	.2							9.5	8.6	8.0
.5								9.8	8.3	8.0
.5								12.8	8.4	8.0
.2	.1							7.6	6.8	6.0
////////////////////								6.5	6.5	7.0
2.1	.3							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 1137



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 #1  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUN HOURS: 1

WIND SPEED IN KNOTS												TO
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	2.0	2.1	.3	.1								4
020-040	2.3	1.9	.3	.2								4
050-070	1.8	2.1	.7									4
(E) 080-100	1.3	2.3	.6	.1								4
110-130	2.3	4.1	1.4	.3								"
140-160	1.6	3.9	2.5	.3								"
(S) 170-190	2.1	4.3	4.7	.5								11
200-220	.9	4.5	2.4	.6	.2							"
230-250	1.3	3.9	3.6	.7	.3	.1						10
(W) 260-280	1.4	4.4	4.7	.9	.1							11
290-310	1.3	4.8	5.2	.8								12
320-340	2.3	3.1	2.7	.3								6
.....												
VARIABLE												
CALM	////////////////////////////////////											2
TOTALS	21.3	41.4	29.1	4.8	.5	.1						100

TOTAL NUMBER OF OBSERVATIONS 1193

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: WOLK FLD ANGR 41  
# 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: 12-14

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
.1										4.5	5.7	5.0
.2										4.8	5.2	5.0
										4.6	5.8	6.0
.1										4.3	6.4	6.0
.3										8.0	6.8	6.0
.3										8.6	7.5	7.0
.5										11.5	8.6	9.0
.5	.2									8.6	8.6	8.0
.7	.3	.1								10.3	8.9	8.0
.9	.1									11.5	9.1	9.0
.8										12.2	9.2	9.0
.5										8.4	7.6	7.0
////////////////////////////////////										2.3	////////////////////////////////	
.8	.6	.1								100.0	7.7	8.0

NUMBER OF OBSERVATIONS 1198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUN HOURS: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TO
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	2.1	2.6	1.2									5.
020-040	1.4	1.6	.3									3.
050-070	1.7	1.6	.5									3.
(E) 080-100	1.3	3.1	.9									5.
110-130	2.1	4.3	1.2									3.
140-160	1.2	4.3	2.2	.1								7.
(S) 170-190	2.5	5.2	3.5	.2								13.
200-220	.3	4.8	2.1	.4	.1							3.
230-250	2.5	4.4	3.3	.3	.1							10.
(W) 260-280	1.5	5.6	4.7	.4	.1							10.
290-310	2.1	3.4	5.4	.5								12.
320-340	2.0	3.3	2.0	.4								7.
VARIABLE												
CALM	////////////////////////////////////											3.
TOTALS	21.3	43.7	29.4	2.9	.3							100.
TOTAL NUMBER OF OBSERVATIONS 769												

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI  
TIME: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: 15-17

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
								5.9	6.3	6.0
								3.3	5.3	5.0
								3.3	5.1	5.0
								5.3	5.5	6.0
								3.1	6.5	6.5
.1								7.6	7.4	8.0
.2								13.1	7.3	7.0
.4	.1							8.2	8.4	8.0
.3	.1							10.5	7.3	6.0
.4	.1							10.4	8.7	9.5
.5								12.4	8.4	10.0
.4								7.5	7.5	6.5
////////////////////////////////////								3.5	////////	
2.9	.3							100.0	7.3	7.0
TOTAL NUMBER OF OBSERVATIONS								769		

OPERATING LOCATION "A"  
JSAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD  
MONTH: JUN

		WIND SPEED IN KNOTS										
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE
(DEGREES)												
(N)	350-010	2.0	1.9	.7	.0							
	020-040	2.0	1.8	.3	.1							
	050-070	1.7	1.9	.5								
(E)	080-100	2.2	2.6	.7	.0							
	110-130	3.2	4.8	1.3	.1							
	140-160	2.0	4.1	2.0	.2							
(S)	170-190	2.0	4.5	3.5	.3							
	200-220	1.1	4.2	1.9	.4	.1						
	230-250	1.7	4.6	3.1	.4	.2	.0					
(W)	260-280	1.7	4.0	3.8	.5	.1						
	290-310	2.1	4.5	4.9	.6	.0						
	320-340	2.4	3.2	1.7	.3	.0						
.....												
VARIABLE												
CALM		////////////////////////////////////										
TOTALS		24.1	42.1	24.4	3.0	.4						

TOTAL NUMBER OF OBSERVATIONS 3930

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG W  
DTG: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: ALL

WIND SPEED IN KNOTS

14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
									%	WIND	WIND
.7	.0								4.6	5.8	6.0
.3	.1								4.1	5.1	5.0
.0									4.1	5.5	5.0
.7	.0								5.5	5.7	6.0
.3	.1								9.4	6.1	6.0
.0	.2								8.2	7.2	7.0
.0	.3								10.3	8.0	8.0
.4	.4	.1							7.7	8.0	8.0
.1	.4	.2	.0						10.0	8.2	8.0
.7	.5	.1							10.2	8.5	8.0
.0	.6	.0							12.0	8.5	8.0
.7	.3	.0							7.6	7.0	6.0

//////////////////// 6.2 //////////////////  
 .4 3.0 .4 100.0 6.9 7.0

TOTAL NUMBER OF OBSERVATIONS 3930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	
(N) 350-010	3.0	1.9	1.1								6.0
020-040	2.6	2.6	.4								5.6
050-070	3.7	6.4	.4								10.5
(E) 080-100	6.4	4.5	.4								11.3
110-130	6.4	4.5	.4								11.3
140-160	1.9	1.9	.7								4.5
(S) 170-190	1.5	2.6	1.9								6.0
200-220	1.9	4.1		.4							6.4
230-250	1.1	2.2	.4								3.7
(W) 260-280	.7		1.5								2.2
290-310	1.1	6.0	5.2	.7							13.1
320-340	4.9	4.5	1.1	.4							10.9

VARIABLE

CALM // 8.6

TOTALS 35.2 41.2 13.5 1.5 100.0

TOTAL NUMBER OF OBSERVATIONS 267

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: JUN HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
										%	WIND	WIND
.1										6.0	5.7	5.0
.4										5.5	4.9	5.0
.7										10.5	5.2	5.0
.9										11.2	4.7	4.0
.4										11.2	4.7	4.0
.7										4.5	5.7	5.5
.7										6.0	7.4	7.0
.4										5.4	5.4	6.0
.4										3.7	5.1	5.5
.5										2.2	8.3	10.0
.2	.7									13.1	9.0	9.0
.1	.4									10.9	5.5	5.0

//////////////////////////////////// 3.5 //////////////////////////////////

.5	1.5									100.0	5.5	5.0
----	-----	--	--	--	--	--	--	--	--	-------	-----	-----

TOTAL NUMBER OF OBSERVATIONS 267



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B MI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: JUL YEAR: 1950

WIND SPEED IN KNOTS										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65
(N) 350-010	2.2	2.3	.1							
020-040	1.3	.4								
050-070	1.2	.9								
(E) 080-100	3.2	2.0								
110-130	5.5	3.1	.3							
140-160	2.5	3.1	.5							
(S) 170-190	2.2	4.1	1.1							
200-220	2.4	5.1	.5							
230-250	2.2	5.4	1.2							
(W) 260-280	2.7	5.0	.4	.1						
290-310	5.5	4.6	.4							
320-340	4.6	2.3	.3							
VARIABLE										
CALM	////////////////////									
TOTALS	37.1	39.3	4.9	.1						

TOTAL NUMBER OF OBSERVATIONS 739

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGWS AI PERIOD OF RECORD: AUG 73 - JUL 83  
STATION: 6 MONTH: JUL HOURS: 06-08

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND MEDIAN WIND
								4.6	5.0 5.0
								2.2	2.9 2.5
								2.2	4.0 4.0
								5.3	4.3 4.0
								3.9	4.5 4.0
								6.2	5.5 5.0
								7.3	6.3 5.0
								9.1	6.1 6.0
								8.8	5.3 5.0
.1								6.3	5.7 5.0
								11.5	4.5 4.0
								7.2	4.4 4.0
								18.5	4.2 5.0
								100.0	4.2 5.0

TOTAL NUMBER OF OBSERVATIONS 739

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANG B MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUL HOURS: 09-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	3.9	2.4	.4									6.6
020-040	2.6	1.5										4.1
050-070	1.8	1.2										3.0
(E) 080-100	1.8	2.0	.2									4.0
110-130	3.1	3.8	.6	.1								7.6
140-160	3.1	3.3	1.1									7.5
(S) 170-190	1.5	5.0	2.7	.1								9.3
200-220	2.3	5.4	2.3									11.0
230-250	1.4	4.5	2.3	.3								8.5
(W) 260-280	2.7	4.0	1.8	.3								8.8
290-310	3.1	5.5	2.4	.3								11.3
320-340	4.4	4.3	.9									9.6
VARIABLE												
CALM	////////////////////											6.3
TOTALS	31.7	44.4	14.7	1.1								100.0

TOTAL NUMBER OF OBSERVATIONS 1137

DE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

VOLK FLD ANG6 HI								PERIOD OF RECORD: AUG 73 - JUL 88		
6								MONTH: JUL HOURS: 09-11		
.....										
WIND SPEED IN KNOTS										
19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
								%	WIND	WIND
.....										
								6.6	4.5	4.0
								4.1	4.0	4.0
								3.0	4.1	4.0
								4.0	5.1	5.0
.1								7.6	5.7	5.0
								7.7	5.9	6.0
.1								9.3	7.5	8.0
								11.0	6.8	6.0
.3								8.4	7.4	7.0
.3								6.7	6.3	6.0
.3								11.3	6.7	6.0
								9.6	5.3	5.0
.....										
////////////////////////////////////								8.3	////////////////////////////////	
.1								100.0	5.6	3.0
NUMBER OF OBSERVATIONS 1137										
.....										

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: -- AUG 73  
MONTH: JUL HOURS: 12-

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT.
(N) 350-010	3.5	2.6	.7									6.
020-040	2.3	1.5										3.
050-070	1.9	.8	.1									2.
(E) 040-100	1.6	2.5	.1									4.
110-130	1.7	3.1	1.0									5.
140-160	1.5	4.7	1.7									7.
(S) 170-190	2.2	5.5	3.2	.1								11.
200-220	1.7	5.3	4.5	.3								12.
230-250	1.4	4.0	2.3	.7								8.
(W) 260-280	2.4	3.0	1.7	.3								7.
290-310	3.1	5.9	3.0	.3								12.
320-340	4.1	5.1	1.2	.1								10.
.....												
VARIABLE												
CALM	////////////////////////////////////											5.
TOTALS	27.5	44.6	19.5	1.3								100.

TOTAL NUMBER OF OBSERVATIONS 1146

: VOLK FLD ANGB NI

WIND SPEED IN KNOTS

6.9 5.1 4.0

3.8      4.3      4.0

	2.9	4.7	4.0
--	-----	-----	-----

4.2      5.4      5.0

5.7      6.3      6.0

	7.2	7.1	7.0
--	-----	-----	-----

11.1	7.5	4.0
------	-----	-----

1.3	12.4	3.3	3.0
-----	------	-----	-----

1.7 2.4 3.2 6.0

7.3 5.9 5.3

1.3	12.2	7.1	7.0
-----	------	-----	-----

10.1	10.6	5.9	5.0
------	------	-----	-----

.....

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[illegible]

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUL HOURS:

		WIND SPEED IN KNOTS												
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
.....		.....												
(N) 350-010		3.7	3.5	.4										
020-040		2.1	.7											
050-070		1.5	1.3											
(E) 080-100		1.9	1.5	.1										
110-130		1.6	3.8	.4										
140-160		1.8	4.8	.9										
(S) 170-190		.9	9.1	2.9										1
200-220		1.5	6.2	2.3										1
230-250		1.0	5.1	2.3	.3									
(W) 260-280		2.6	4.7	1.3	.3									
290-310		2.2	6.0	2.1										1
320-340		3.2	4.8	1.2										
.....		.....												
VARIABLE														
CALM		////////////////////////////////////												
TOTALS		24.0	51.5	13.9	.6									10
		TOTAL NUMBER OF OBSERVATIONS 532												
.....		.....												

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI								PERIOD OF RECORD: AUG 73 - JUL 88			
TIME ZONE: + 6								MONTH: JUL HOURS: 15-17			
.....											
WIND SPEED IN KNOTS											
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.....											
.4									7.6	4.9	5.0
.....									2.8	3.3	3.0
.....									2.6	4.6	4.0
.1									3.5	4.5	4.0
.0									5.9	6.1	6.0
.0									7.5	6.2	6.0
.0									12.9	7.6	8.0
.3									10.0	7.5	8.0
.0 .3									8.8	7.7	7.0
.2 .3									9.9	6.6	6.0
.1									10.3	6.9	7.0
.2									9.2	6.0	6.0
.....											
.....									9.8	.....	
.9 .6									100.0	5.4	6.0
.....											
TOTAL NUMBER OF OBSERVATIONS 632											
.....											



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B MI  
LST TO UTC: + 6

PERIOD OF RECORD: 40  
MONTH: JUL HOURS:

		WIND SPEED IN KNOTS											
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(DEGREES)													
(N) 350-010		3.4	2.6	.4									
020-040		2.2	1.1										
050-070		1.6	1.1	.0									
(E) 080-100		2.1	2.1	.1									
110-130		2.9	3.4	.6	.0								
140-160		2.2	4.1	1.1									
(S) 170-190		1.7	5.5	2.6	.1								1
200-220		2.0	5.1	2.5	.1								1
230-250		1.5	4.6	2.1	.4								
(W) 260-280		2.6	4.0	1.4	.2								
290-310		3.6	5.6	2.1	.2								1
320-340		4.1	4.3	.9	.0								
.....													
VARIABLE													
CALM		////////////////////////////////////											1
TOTALS		29.9	44.8	13.9	1.0								10

TOTAL NUMBER OF OBSERVATIONS 3704

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGWS MI  
ELEVATION: 15

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: ALL

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								%	WIND WIND
								6.5	4.9 4.0
								3.4	4.0 4.0
								2.7	4.1 4.0
								4.2	4.9 5.0
.0								6.9	5.6 5.0
								7.5	6.3 5.0
.1								10.1	7.4 3.0
.1								10.9	7.4 7.0
.4								8.6	7.5 7.0
.2								8.3	6.6 5.0
.7								11.4	6.5 6.0
.0								9.3	5.5 5.0
								10.2	5.6 5.0
1.0								100.0	5.6 5.0
TOTAL NUMBER OF OBSERVATIONS 3704									

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUL HOURS: A

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEIL

WIND SPEED IN KNOTS											
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(N) 350-010	6.4	4.9	1.0								12
020-040	2.9	1.0									1
050-070	2.9	2.9									1
(E) 080-100	4.9	6.9	.5								12
110-130	5.9	3.4	2.0	.5							11
140-160	1.5	2.0									3
(S) 170-190	2.0	1.5	1.0								4
200-220	2.9	2.0									4
230-250	1.5	1.0									2
(4) 260-280	2.0	2.5									4
290-310	4.4	4.4	.5								4
320-340	1.5	3.4									4
VARIABLE											
CALM	////////////////////////////////////										14
TOTALS	38.8	41.3	5.0	.5							100

TOTAL NUMBER OF OBSERVATIONS 204

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGR WI  
TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
1 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL MEAN MEDIAN
									% WIND WIND
1.0									12.3 4.9 4.0
									3.9 3.1 3.0
									5.9 4.1 4.5
.5									12.3 5.4 5.0
.0	.5								17.2 5.3 5.0
									3.4 4.4 5.0
1.0									4.4 5.9 5.0
									4.9 4.5 4.0
									2.5 4.0 4.0
									4.4 5.1 5.0
.5									9.3 5.2 5.0
									4.9 5.3 5.5
									14.7
.0	.5								100.0 4.4 5.0

TOTAL NUMBER OF OBSERVATIONS 204

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: AUG HOURS: 06

WIND SPEED IN KNOTS												TOT %
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.6	.9	.1									2.
020-040	1.3	.1	.1									1.
050-070	2.1	.9										3.
(E) 080-100	2.3	1.9	.1									4.
110-130	4.4	4.1	.6									9.
140-160	4.5	3.0	1.2									8.
(S) 170-190	3.2	4.1	1.4	.3								9.
200-220	2.5	2.5	1.0									6.
230-250	2.9	3.4	.3	.3								7.
(W) 260-280	3.0	2.8	.9									6.
290-310	3.0	4.7	.6									8.
320-340	1.9	2.7	.4									5.
.....												
VARIABLE												
CALM	////////////////////////////////////											27.
TOTALS	33.1	31.1	7.4	.6								100.

TOTAL NUMBER OF OBSERVATIONS 773

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
UTC: + 6 MONTH: AUG HOURS: 06-08

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
.1										2.6	4.4	4.0
.1										1.6	3.5	2.5
										3.0	3.7	3.0
.1										4.9	4.3	4.0
.1										9.2	5.2	5.0
.2										8.7	5.2	4.0
.4	.3									9.1	6.3	6.0
.1										6.0	5.8	6.0
.1	.3									7.2	5.9	6.0
.1										6.7	5.6	5.0
.1										8.4	5.8	6.0
.4										5.0	5.4	5.0
////////////////////////////////////										27.7	////////////////////////////////	
.4	.6									100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 773

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 71  
MONTH: AUG HOURS: 09-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.2	1.5	.3									3.0
020-040	2.3	2.0	.1									4.4
050-070	2.7	1.0										3.7
(E) 090-100	3.3	1.6	.3									5.2
110-130	3.4	4.0	.3									7.7
140-160	3.3	4.8	.8	.2	.1							8.2
(S) 170-190	3.3	8.4	2.8	.2								14.7
200-220	2.7	5.3	1.3									9.3
230-250	2.9	3.9	.9	.1								7.8
(W) 260-280	2.5	4.6	1.2									8.3
290-310	2.2	5.0	1.4	.3	.1							8.0
320-340	2.8	3.6	1.3									7.7
VARIABLE												
CALM	////////////////////											9.7
TOTALS	32.6	45.7	11.3	.8	.2							100.6
TOTAL NUMBER OF OBSERVATIONS 1197												

PAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

: VOLK FLD ANGR WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG HOURS: 09-11

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
19	20-24	25-29	30-34	35-39	40-49	50-64			
						GE 65			
							3.0	5.4	5.0
							4.3	4.4	4.0
							3.7	3.8	4.0
							5.2	4.4	4.0
							8.3	5.6	5.0
.2							9.2	6.0	5.0
	.1								
.2							14.5	6.9	7.0
							9.3	6.3	6.0
							7.9	5.9	5.0
.1							8.4	6.5	6.0
.3							8.2	7.2	7.0
	.1						7.7	5.9	6.0
							9.7		
.2							100.0	5.4	5.0

NUMBER OF OBSERVATIONS 1197



OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: AUG HOURS: 12-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.4	2.0	.3									3.7
020-040	2.5	1.0	.4									3.9
050-070	1.5	1.4										2.9
(E) 080-100	1.6	2.5	.3									4.4
110-130	3.3	3.6	1.0	.1								8.0
140-160	2.4	5.4	2.1									10.9
(S) 170-190	1.6	3.4	3.9	.3								14.2
200-220	1.9	5.5	2.1									9.5
230-250	1.3	4.7	2.3									8.3
(W) 260-280	1.3	4.9	2.7		.1							8.0
290-310	2.3	5.1	2.7	.1								10.2
320-340	2.0	4.5	1.2	.2								7.9
VARIABLE												
CALM	////////////////////////////////////											7.6
TOTALS	24.7	49.1	19.6	.7	.1							100.0
TOTAL NUMBER OF OBSERVATIONS 1193												

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB MI  
LOC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG HOURS: 12-14

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
									3.7	5.3	5.0
									3.9	4.6	4.0
									2.9	4.3	4.0
									4.4	5.5	5.0
.1									8.0	5.7	5.0
									10.2	6.8	6.0
.3									14.5	7.5	7.0
									9.6	6.9	7.0
									8.5	7.2	7.0
	.1								9.6	7.5	7.0
.1									10.1	7.3	7.0
.2									8.6	7.0	7.0
////////////////////////////////////									5.5	////////////////////////////////	
.7	.1								100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 1193

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: AUG HOURS:

		WIND SPEED IN KNOTS										
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(N) 350-010		2.5	1.9	.7								
020-040		2.5	.9	.3								
050-070		2.5	.3									
(E) 080-100		2.0	2.6	.3								
110-130		3.3	3.6	.6								
140-160		2.6	6.4	1.9								1
(S) 170-190		2.9	7.1	3.6			.1					1
200-220		1.6	6.7	2.0								1
230-250		2.0	4.3	2.0								
(A) 260-280		1.4	3.6	2.6	.1	.1						
290-310		2.6	3.0	2.5	.1							
320-340		2.6	6.4	1.0								
.....												
VARIABLE												
CALM //////////////////////////////////////												
TOTALS		29.1	45.0	17.6	.2	.1	.1					10

TOTAL NUMBER OF OBSERVATIONS 690

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI  
17:45

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG HOURS: 15-17

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
10-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
										5.1	5.7	5.0
										3.6	4.2	4.0
										2.8	3.1	3.0
										4.9	5.5	5.5
										3.0	5.1	5.0
										10.0	5.5	5.0
		.1								13.5	7.5	7.0
										10.3	7.3	7.0
										8.4	7.1	7.0
.1	.1									3.3	8.1	8.0
.1										8.3	7.1	7.0
										5.8	5.3	5.0
////////////////////										5.0	////////	////////
.2	.1	.1								100.0	5.0	5.0
TOTAL NUMBER OF OBSERVATIONS										690		

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: 1 AUG  
MONTH: AUG HOURS:

		WIND SPEED IN KNOTS										
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(DEGREES)												
(N) 350-010	1.6	1.6	.3									
020-040	2.2	1.1	.2									
050-070	2.2	1.0										
(E) 080-100	2.5	2.1	.3									
110-130	3.6	3.3	.2	.0								
140-160	3.3	4.7	1.5	.1	.0							
(S) 170-190	2.3	7.3	3.0	.2		.0						1
200-220	2.2	5.0	1.6									
230-250	2.4	4.1	1.5	.1								
(W) 260-280	2.2	4.2	1.9	.0	.1							
290-310	2.4	4.6	1.9	.1	.0							5
320-340	2.3	4.0	1.2	.1								7
VARIABLE												
CALM	////////////////////											11
TOTALS	29.7	43.5	14.2	.6	.1							100
TOTAL NUMBER OF OBSERVATIONS 3853												

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI                      PERIOD OF RECORD: AUG 73 - JUL 88  
STC: + 6                                      MONTH: AUG                      HOURS: ALL

WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
									%	WIND WIND
									3.5	5.3 5.0
									3.5	4.4 4.0
									3.1	3.3 4.0
									4.9	4.9 4.0
.0									6.3	5.5 5.0
.1 .0									9.6	6.2 6.0
.2 .0									13.3	7.2 7.0
									5.9	6.7 7.0
.1									8.1	5.5 6.0
.0 .1									8.4	7.0 7.0
.1 .0									9.1	6.9 7.0
.1									7.7	6.2 6.0
									11.7	11.7
.5 .1									100.0	5.5 6.0
TOTAL NUMBER OF OBSERVATIONS 3853										

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	1.3	.3	.3									2.3
020-040	3.5	2.5	1.3									7.3
050-070	5.8	3.5										9.3
(E) 080-100	6.3	7.3	.5									14.5
110-130	6.5	11.0	1.3									17.3
140-160	6.3	3.3	.3									9.3
(S) 170-190	1.3	3.0	1.0	.5								5.3
200-220	1.3	1.3										3.0
230-250		1.0	.3	.3								1.3
(W) 260-280	1.3	1.0	.5		.3							3.0
290-310	1.5	2.5	.3									5.0
320-340	2.3	3.3	.5									5.3
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.3
TOTALS	33.3	40.3	7.3	.5	.3							100.0

TOTAL NUMBER OF OBSERVATIONS 399

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 78  
TIME ZONE: + 6 MONTH: AUG HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS),  
AND/OR  
1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		%	WIND	WIND
										2.3	5.4	4.0
										7.3	5.7	5.0
										9.3	4.1	4.0
										14.5	5.1	5.0
										18.0	5.5	5.0
										9.3	4.5	4.0
	.5									5.3	7.2	5.0
										3.0	4.3	4.0
	.5									1.5	9.3	7.5
		.3								3.0	7.2	5.0
										5.0	5.2	5.0
										5.0	5.4	5.0
////////////////////////////////////										12.3	////////////////////////////////	
7.3	.5	.3								100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS										399		



OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: SEP HOURS: 06

WIND SPEED IN KNOTS												TOT %
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.2	.5	.2									1.
020-040	1.2	.5										1.
050-070	.9	.8										1.
(E) 080-100	2.8	1.6	.9									5.
110-130	3.7	5.1	.6									9.
140-160	2.3	4.2	.6	.2								7.
(S) 170-190	2.2	3.1	1.1									6.
200-220	1.9	3.6	.6	.6								6.
230-250	2.0	2.6	1.1									6.
(4) 260-280	3.7	4.7	.9	.2								9.
290-310	3.9	6.7	.6									11.
320-340	3.4	3.7	.9									7.
.....												
VARIABLE												
CALM	////////////////////////////////////											24.
TOTALS	29.7	37.1	7.4	.9								100.
TOTAL NUMBER OF OBSERVATIONS 642												
.....												

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

APR VOLK FLD ANG3 WI  
: + 6

PERIOD OF RECORD: AUG 73 - JUL 78  
MONTH: SEP HOURS: 06-08

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
0-10	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
									1.9	4.7	4.0
									1.7	3.1	2.0
									1.7	4.0	4.0
									5.3	5.3	4.0
									9.5	5.4	5.0
0.0									7.8	5.3	5.0
									6.4	5.1	5.0
0.5									6.5	7.0	5.5
									5.8	5.1	5.0
0.0									9.5	5.7	5.0
									11.2	5.5	5.0
									7.9	5.4	5.0

//////////////////////////////////// 24.0 //////////////////////////////////

0.0 100.0 4.3 5.0

NUMBER OF OBSERVATIONS 642

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGZ WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 71  
MONTH: SEP HOURS: 09

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	1.9	1.3	.4									4.1
020-040	1.3	.8	.1									2.1
050-070	.8	.9	.3									2.0
(E) 080-100	1.7	2.9	.7									5.4
110-130	2.9	5.0	1.6	.1								9.6
140-160	1.6	4.3	1.3									7.2
(S) 170-190	1.6	5.7	2.3	.1								9.7
200-220	1.9	5.5	2.7	.2	.1	.1						10.5
230-250	1.6	3.9	1.2	.1	.1							7.9
(W) 260-280	2.5	3.9	2.2	.1	.1							9.9
290-310	1.6	7.5	4.3	.3								13.7
320-340	2.5	5.3	2.5	.3								11.6
VARIABLE												
CALM	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	////////////////////////////////////	7.1
TOTALS	22.4	49.5	19.0	1.2	.3	.1						100.0
TOTAL NUMBER OF OBSERVATIONS 948												

1. FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WILK FLD ANGZ WI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP HOURS: 09-11

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
							4.1	5.0	5.0
							2.7	4.3	4.0
							2.0	5.5	5.0
							5.4	5.9	6.0
.1							9.5	6.2	6.0
							7.2	6.7	6.0
.1							9.7	7.5	7.0
.1	.1	.1					10.8	7.4	7.0
.1	.1						7.0	7.1	7.0
.1	.1						9.9	7.1	7.0
.3							13.7	7.9	8.0
.3							11.7	7.1	7.0
////////////////////////////////////							7.1	////////////////////////////////	
1.2	.3	.1					100.0	6.4	7.0

NUMBER OF OBSERVATIONS 968

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: SEP HOURS: 12-

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(N) 350-010	1.9	2.2	.7	.1								4.9
020-040	1.3	1.2	.3									2.8
050-070	1.2	.8	.1									2.1
(E) 080-100	1.5	2.0	.5									4.1
110-130	1.3	3.2	1.2									5.7
140-160	1.4	3.3	1.5	.3								7.5
(S) 170-190	1.1	5.3	4.3	.2								11.9
200-220	2.2	4.4	3.5	.3								10.4
230-250	.2	4.2	2.5	.4	.3							7.6
(W) 260-280	1.7	3.5	3.3	.4	.1							9.0
290-310	2.7	7.5	5.4	.8								16.4
320-340	2.7	4.4	2.5	.6								10.2
VARIABLE												
CALM	////////////////////////////////////											0.
TOTALS	20.5	45.7	26.3	3.1	.4							100.0

TOTAL NUMBER OF OBSERVATIONS 475

TABLE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.1								4.9	5.8	5.0
								2.8	5.1	5.0
								2.1	4.6	4.0
								4.1	5.0	5.0
								5.9	5.8	5.0
.1								7.1	7.2	7.0
.2								11.9	8.3	8.0
.3								10.4	8.0	8.0
.4	.1							2.1	8.5	8.0
.5	.1							2.3	8.1	8.0
.6								16.5	8.0	8.0
.7								10.9	7.4	8.0
////////////////////////////////////								3.0	////////////////////////////////	
3.1	.4							100.0	7.3	8.0

NUMBER OF OBSERVATIONS 979

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: SEP HOURS: 15-17

WIND SPEED IN KNOTS												TOTAL
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.3	1.7	.5	.2								3.7
020-040	1.1	.2										1.3
050-070	1.1	1.3										2.4
(E) 080-100	.7	1.1	.5									2.3
110-130	1.5	2.4	1.7									5.6
140-160	1.5	3.3	1.5	.2								7.5
(S) 170-190	1.7	5.5	2.4	.4								10.0
200-220	2.5	5.0	1.3	.4								10.2
230-250	2.4	5.4	3.5									11.3
(W) 260-280	3.2	4.3	3.7	.2								11.4
290-310	3.9	7.1	4.4	.2								15.6
320-340	1.5	5.0	3.5	.2								10.2
.....												
VARIABLE												
CALM	////////////////////////////////////											7.5
TOTALS	22.0	44.0	23.5	1.5								100.0
.....												
TOTAL NUMBER OF OBSERVATIONS												453
.....												

PERIOD FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

WIND SPEED IN KNOTS		PERIOD OF RECORD: AUG 73 - JUL 68		MONTH: SEP		HOURS: 15-17				
10-14	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.....	.....	.....	.....	.....	.....	.....	.....	3.9	7.1	7.0
.....	.....	.....	.....	.....	.....	.....	.....	1.3	3.2	4.0
.....	.....	.....	.....	.....	.....	.....	.....	2.4	5.4	5.0
.....	.....	.....	.....	.....	.....	.....	.....	2.6	6.9	9.0
.....	.....	.....	.....	.....	.....	.....	.....	5.6	7.2	7.0
.....	.....	.....	.....	.....	.....	.....	.....	7.1	7.4	7.0
.....	.....	.....	.....	.....	.....	.....	.....	10.4	7.3	8.0
.....	.....	.....	.....	.....	.....	.....	.....	10.4	6.5	5.0
.....	.....	.....	.....	.....	.....	.....	.....	11.2	7.2	5.0
.....	.....	.....	.....	.....	.....	.....	.....	11.4	7.3	8.0
.....	.....	.....	.....	.....	.....	.....	.....	15.0	7.6	8.0
.....	.....	.....	.....	.....	.....	.....	.....	10.2	7.7	9.0
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	7.5	.....	.....
1.5	.....	.....	.....	.....	.....	.....	.....	100.0	6.7	7.0
NUMBER OF OBSERVATIONS 453										



AD-A210 523

SURFACE OBSERVATION CLIMATIC SUMMARIES 1960-61 FOR VOLK 3 6

FIELD ANGB WISCONSIN (U) AIR FORCE ENVIRONMENTAL

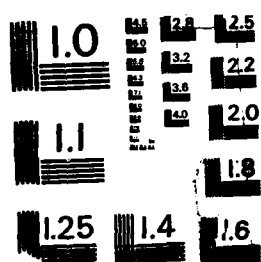
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NL



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: 7  
MONTH: SEP HOUR:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	
(N) 350-010	1.7	1.6	.5	.1							
020-040	1.4	.8	.1								
050-070	1.0	.9	.1								
(E) 080-100	1.7	2.1	.7								
110-130	2.5	4.3	1.3	.0							
140-160	1.8	4.0	1.3	.2							
(S) 170-190	1.6	5.3	2.7	.2							
200-220	2.1	5.1	2.1	.3	.0	.0					
230-250	1.6	4.2	2.0	.2	.1						
(4) 260-280	2.6	4.1	2.5	.2	.1						
290-310	2.8	7.3	3.9	.4							
320-340	2.6	5.1	2.4	.3							
VARIABLE											
CALM	////////////////////////////////////										
TOTALS	23.4	44.8	19.6	1.9	.2						
TOTAL NUMBER OF OBSERVATIONS 3091											

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 89  
C: + 6 MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
								%	WIND	WIND
.1								3.9	5.6	5.0
								2.3	4.4	4.0
								2.0	5.1	5.0
								4.5	5.9	6.0
.0								8.1	6.3	6.0
.2								7.3	6.8	6.0
.2								9.8	7.7	8.0
.3	.0	.0						9.7	7.4	7.0
.2	.1							8.1	7.5	7.0
.2	.1							9.5	7.2	7.0
.4							14.4	7.5	8.0	
.3							10.4	7.0	7.0	

//////////////////////////////////// 9.8 //////////////////////////////////  
1.9 .2 100.0 6.3 7.0

TOTAL NUMBER OF OBSERVATIONS 3091

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB HI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: SEP HOURS: AL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4900 METERS) WITH CEILI

		WIND SPEED IN KNOTS										TOT
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	
(N) 350-010		3.7	2.5	.2								6.
020-040		3.2	2.2									5.
050-070		1.2	3.0	.7								5.
(E) 080-100		3.7	7.2	2.5								13.
110-130		3.5	8.2	1.5								13.
140-160		3.0	4.5	.5	.2							8.
(S) 170-190		1.2	1.5	.5								3.
200-220		1.0	.5	.5								2.
230-250		.2	1.2	.2								1.
(W) 260-280		2.0	2.7	.2	.2							5.
290-310		4.0	9.9	3.7	.5							18.
320-340		3.2	6.2	1.2								10.

VARIABLE

CALM // 7.

TOTALS 29.9 49.6 11.7 .9 100.

TOTAL NUMBER OF OBSERVATIONS 403

1: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP HOURS: ALL

10/JR

WIND SPEED IN KNOTS

	%	WIND	WIND
.....			

	5.5	4.3	4.0
--	-----	-----	-----

5.0      6.2      6.0

			13.4	6.5	5.0
--	--	--	------	-----	-----

	13.2	6.4	6.0
--	------	-----	-----

.2	8.2	5.8	5.0
----	-----	-----	-----

3.2      6.7      9.0

2.0      7.1      5.5

	1.7	6.9	7.0
--	-----	-----	-----

.2 5.2 5.8 5.0

.5	18.1	7.1	7.0
----	------	-----	-----

	10.7	6.1	5.0
--	------	-----	-----

.....

.....

17	10000	500	500
----	-------	-----	-----

.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: OCT HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65
(N) 350-010	.8	.5								
020-040	1.2	.5								
050-070	1.5	1.2								
(E) 080-100	2.5	2.2	.5							
110-130	3.9	3.9	.8							
140-160	2.7	2.3	.5							
(S) 170-190	1.2	3.2	2.2	.3						
200-220	1.2	3.0	1.2	.5						
230-250	1.5	4.5	1.3	.3						
(W) 260-280	3.5	3.7	2.0	.3						
290-310	5.0	5.7	3.5	.7						
320-340	1.7	2.7	.7	.2						
.....										
VARIABLE										
CALM	////////////////////									
TOTALS	26.7	33.4	12.7	2.3						11
.....										
TOTAL NUMBER OF OBSERVATIONS 597										
.....										

NAME: VOLK FLD ANGB HI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
										1.3	4.5	4.0
										1.7	3.8	3.5
										2.7	3.3	4.0
										5.2	4.9	5.0
										4.5	5.5	5.0
										5.5	5.6	5.0
	.3									6.9	7.9	8.0
	.5									5.9	7.7	6.0
	.3									7.7	6.3	6.0
	.3									9.5	6.5	6.0
	.7									14.9	6.3	7.0
	.2									5.2	6.4	6.0
										25.0		
	2.3									100.0	4.3	6.0

TOTAL NUMBER OF OBSERVATIONS 597



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: OCT HOURS: 0

WIND SPEED IN KNOTS												TO
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	2.0	1.9	.8									4
020-040	.7	2.0										2
050-070	.7	1.4	.1									2
(E) 080-100	2.1	3.4	.4									5
110-130	2.0	6.5	1.8	.3								10
140-160	1.9	3.8	1.1									5
(S) 170-190	1.7	3.6	3.0	.3	.1							9
200-220	1.3	3.1	2.1	.6	.1							7
230-250	.5	3.7	2.0	.6	.1							6
(W) 260-280	1.5	4.8	2.6	.7	.1							9
290-310	3.0	5.8	4.1	1.0	.2							14
320-340	2.7	3.9	4.1	.8								11
.....												
VARIABLE												
CALM	////////////////////////////////////											
TOTALS	20.2	43.9	22.1	4.3	.6							100

TOTAL NUMBER OF OBSERVATIONS 967

NAME: VOLK FLD ANG8 WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
.....										4.7	5.9	5.0
.....										2.7	5.5	6.0
.....										2.3	5.7	6.0
.....										5.9	5.8	6.0
.3										10.5	6.9	6.5
.....										6.8	6.4	6.0
.3 .1										8.7	8.3	8.0
.6 .1										7.2	8.4	8.0
.6 .1										6.9	8.7	8.0
.7 .1										9.7	8.4	8.0
1.0 .2										14.2	8.2	8.0
.9										11.6	8.1	8.0
.....										8.8	8.9	8.0
.1 4.3 .6										100.0	6.9	7.0

C - 4 - 56

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: OCT HOURS:

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65
(N) 350-010		1.3	1.5	.6	.2						
020-040		1.1	1.5	.2							
050-070		1.5	1.2	.3							
(E) 080-100		.3	3.4	.9							
110-130		1.9	4.3	2.2	.1						
140-160		1.0	3.4	2.7							
(S) 170-190		.9	5.3	3.0	.2						
200-220		1.7	3.3	3.3	.3	.2					
230-250		1.2	3.7	2.9	.7						
(W) 260-280		1.7	5.0	3.8	1.1						
290-310		2.0	6.0	5.1	1.5						
320-340		1.6	5.2	3.4	.7	.2					
.....											
VARIABLE											
CALM //////////////////////////////////////											
TOTALS		16.7	43.8	29.4	4.8	.4					

TOTAL NUMBER OF OBSERVATIONS 980

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		%	WIND	WIND
.6	.2									3.7	6.6	6.0
.2										2.9	5.4	5.5
.3										3.1	5.3	4.5
.9										5.1	7.0	7.0
2.2	.1									9.6	7.3	7.0
2.7										7.0	7.3	8.0
3.0	.2									9.4	8.1	8.0
3.3	.3	.2								9.8	8.7	8.0
2.9	.7									6.5	8.6	8.0
3.3	1.1									11.6	8.8	9.0
5.1	1.5									15.7	9.1	9.0
3.4	.7	.2								11.1	8.5	8.0
////////////////////////////////////										4.6	7.8	8.0
29.4	4.8	.4								100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 980

OPERATING LOCATION \*AM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND S  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JU  
MONTH: OCT HOURS: 15-17

		WIND SPEED IN KNOTS										TOTAL	%
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64		
(N)	350-010	2.3	2.3	.9	.2							5.7	6
	020-040	.7	.5	.2								1.4	5
	050-070	1.4	2.1	.2								3.6	5
(E)	080-100	.9	4.1	.2								5.2	6
	110-130	1.6	5.0	2.3								8.9	7
	140-160	1.6	3.0	3.2	.5							8.2	8
(S)	170-190	2.3	5.0	3.2								10.5	7
	200-220	.7	2.7	2.3								5.7	7
	230-250	1.8	3.2	2.1	.7							7.7	7
(W)	260-280	2.5	7.3	3.0	.5							13.2	7
	290-310	3.0	6.2	5.9	.9	.2						16.2	
	320-340	1.1	4.6	3.2	.2							9.1	
.....													
VARIABLE													
CALM		////////////////////////////////////										4.6	///
TOTALS		19.9	46.0	26.7	3.0	.2						100.0	7

TOTAL NUMBER OF OBSERVATIONS 439

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCUPRECE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: OCT HOURS: AI

		WIND SPEED IN KNOTS											
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)													
(N) 350-010		1.6	1.5	.6	.1								3
020-040		.9	1.3	.1									2
050-070		1.2	1.4	.2									2
(E) 080-100		1.6	3.3	.6									5
110-130		2.3	5.0	1.8	.1								9
140-160		1.7	3.3	1.8	.1								6
(S) 170-190		1.4	4.3	2.8	.2	.0							8
200-220		1.3	3.1	2.3	.4	.1							7
230-250		1.1	3.8	2.1	.6	.0							7
(W) 260-280		2.1	5.0	2.9	.7	.0							10
290-310		3.1	5.9	4.9	1.1	.1							15
320-340		1.9	4.2	3.1	.6	.1							9
.....													
VARIABLE													
CALM		////////////////////											10
TOTALS		20.2	42.1	23.2	3.9	.3							100

TOTAL NUMBER OF OBSERVATIONS 2983

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB HI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: OCT HOURS: ALL

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39	40-49	50-64			
							%	WIND	WIND
							3.4	6.0	6.0
.1							2.3	5.2	5.0
							2.8	5.1	5.0
							5.4	6.1	6.0
.1							9.3	6.9	7.0
.1							6.8	7.1	7.0
.2	.0						8.8	9.0	8.0
.4	.1						7.2	8.3	8.0
.6	.0						7.7	8.2	8.0
.7	.0						10.8	8.1	8.0
1.1	.1						15.1	8.3	8.0
.1	.6	.1					9.8	8.1	8.0
							10.0	6.8	7.0
3.9	.3						100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 2983



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGE WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: OCT HOURS:

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS)  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEIL

	WIND SPEED IN KNOTS											
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	1.9	1.1	.3									
020-040	1.1	.8										
050-070	1.3	1.6	.3									
(E) 080-100	2.4	7.8	2.7									12
110-130	6.2	14.5	3.5									24
140-160	3.5	5.6	.8									
(S) 170-190	1.9	7.8	1.9									11
200-220	.3	.5										
230-250	.3	1.1										1
(W) 260-290	.3	3.5	1.6									
290-310	2.9	5.1	4.3	1.9								14
320-340	.8	3.2	.3									4

VARIABLE

CALM

////////////////////////////////////

TOTALS

23.9 52.6 15.7 1.9

100

TOTAL NUMBER OF OBSERVATIONS 373

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
ELEVATION: 6 MONTH: OCT HOURS: ALL

WIND DIRECTION: ALL  
WIND SPEED: LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

(0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
								%	WIND	WIND
								3.2	4.5	4.0
								1.9	4.4	4.0
								3.2	4.3	5.0
								12.9	7.0	7.0
								24.1	6.2	6.0
								9.9	6.1	6.0
								11.5	7.1	7.0
								.8	5.0	5.0
								1.9	4.4	5.0
								5.9	7.9	3.0
1.9								14.2	8.6	8.0
								4.3	6.3	6.0

//////////////////// 6.2 //////////////////

1.9 100.0 6.3 6.0

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: NOV HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	
(N) 350-010	1.1	.4	.7								
020-040	1.5	1.5	.4								
050-070	.4	1.1									
(E) 080-100	2.6	.7									
110-130	2.9	2.6	.7								
140-160	2.6	1.5	1.5								
(S) 170-190	1.3	3.3	.7								
200-220	3.7	1.8	.4		.4						
230-250	2.6	4.0	1.1								
(W) 260-280	3.7	1.3	4.0		.4						
290-310	4.7	3.1	4.2	1.1							
320-340	.4	2.6	1.5	.4							

VARIABLE

CALM

TOTALS

27.3 29.4 15.9 1.5 .8

TOTAL NUMBER OF OBSERVATIONS 273

BASE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

: VOLK FLD ANG8 WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: NOV HOURS: 06-08

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
								2.2	6.0	6.0	
								3.3	5.8	7.0	
								1.5	5.9	5.5	
								3.3	4.0	4.0	
								5.2	5.1	5.0	
								5.5	6.1	5.0	
								5.9	5.9	5.0	
	.4							6.2	5.1	4.0	
								7.7	6.0	6.0	
	.4							9.9	7.5	8.0	
1.1								17.9	7.9	3.0	
.4								4.8	8.9	5.0	

//////////////////// 25.5 //////////////////

1.5 .8 100.0 4.9 6.0

NUMBER OF OBSERVATIONS 273

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS												
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.5	2.2	.5									4.4
020-040	2.0	1.4	.2									3.6
050-070	.7	.9	.2									1.9
(E) 080-100	1.5	1.5										3.1
110-130	3.1	4.6	1.0									8.7
140-160	1.5	3.6	1.5	.1								7.0
(S) 170-190	3.0	3.7	1.5	.2								8.5
200-220	1.9	3.5	1.1	.1	.2							5.9
230-250	2.0	3.0	1.7									6.7
(W) 260-280	2.0	4.7	4.5	.7	.2							12.2
290-310	2.4	7.0	7.0	1.1								17.5
320-340	1.7	5.1	3.2	.5								10.7
.....												
VARIABLE												
CALM	////////////////////////////////////											4.9
TOTALS	23.5	41.2	22.6	2.5	.4							100.0
TOTAL NUMBER OF OBSERVATIONS 302												

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
C: + 6 MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND
								4.4	6.0
								3.6	4.6
								1.9	5.5
								3.1	4.9
								8.7	6.1
.1								7.0	6.9
.2								8.5	6.5
.1	.2							6.9	7.0
								6.7	6.9
.7	.2							12.2	9.0
1.1								17.5	8.9
.5								10.7	8.1
								8.9	
2.8	.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 802

OPERATING LOCATION \*AW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: NOV HOURS: 12-14

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	1.7	2.6	.7									5.1
	020-040	1.6	1.7										3.3
	050-070	.1	1.1	.2									1.5
(E)	080-100	1.1	1.9	.5									3.5
	110-130	1.5	4.6	1.5	.2								7.8
	140-160	1.6	3.0	2.1	.2								6.9
(S)	170-190	1.9	5.6	1.1	.2								8.8
	200-220	1.2	4.3	1.6	.5	.2	.1						8.0
	230-250	1.6	5.2	3.2	.4								10.4
(W)	260-280	1.5	5.3	3.3	.9	.2							11.2
	290-310	2.3	10.0	7.0	2.1	.6							22.1
	320-340	1.0	4.0	2.3	.2								7.5
.....													
VARIABLE													
CALM		////////////////////////////////////											4.0
TOTALS		17.1	49.3	23.5	4.7	1.0	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 310

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG B WI PERIOD OF RECORD: AUG 73 - JUL 88  
C: + 6 MONTH: NOV HOURS: 12-14

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
								5.1	6.0	6.0
								3.3	4.9	5.0
								1.5	7.3	8.0
								3.5	6.5	6.5
.2								7.8	7.3	7.0
.2								6.9	7.7	8.0
.2								8.8	7.0	6.0
.5	.2	.1						8.0	8.1	7.0
.4								10.4	8.0	8.0
.9	.2							11.2	9.0	9.0
2.1	.6							22.1	9.3	8.0
.2								7.5	8.0	8.0

//////////////////////////////////// 4.0 //////////////////////////////////

4.7 1.0 .1 100.0 7.7 8.0

TOTAL NUMBER OF OBSERVATIONS 810



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: NOV HOURS: 15-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.5	1.8	.4									3.7
020-040	.7	1.1										1.8
050-070	.7	1.1	.2									2.0
(E) 080-100	.7	2.8	1.1									4.6
110-130	.6	5.0	1.1									6.7
140-160	2.0	2.4	1.7									6.1
(S) 170-190	2.2	7.2	.5			.2						10.1
200-220	2.6	3.9	1.7									8.1
230-250	3.3	5.9	1.6	.5								11.3
(W) 260-280	2.6	5.0	5.0	.4								13.0
290-310	2.6	5.4	7.0	1.5								17.5
320-340	.9	5.1	2.5									9.5
VARIABLE												
CALM	////////////////////											5.5
TOTALS	20.4	48.7	23.2	2.5		.2						100.0

TOTAL NUMBER OF OBSERVATIONS 544

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

F: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: 15-17

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65					
										3.7	5.0	5.0
										1.8	4.9	5.0
										2.0	5.9	5.0
										4.6	7.2	7.0
										6.6	7.4	7.5
										6.1	6.5	6.0
		.2								10.1	6.4	6.0
										8.1	6.3	6.0
		.5								11.6	7.1	7.0
		.4								12.9	8.5	8.0
		1.5								17.5	9.2	9.0
										9.6	7.5	7.0
										5.5		
2.5		.2								100.0	7.0	7.0

L NUMBER OF OBSERVATIONS 544

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: NOV HOURS: ALL

WIND SPEED IN KNOTS												TOTAL
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.5	2.1	.6									4.2
020-040	1.5	1.4	.1									3.1
050-070	.5	1.0	.2									1.7
(E) 080-100	1.4	1.8	.4									3.6
110-130	2.0	4.4	1.2	.1								7.7
140-160	1.8	2.9	1.3	.1								6.1
(S) 170-190	2.3	5.1	1.1	.2		.0						8.7
200-220	2.0	3.7	1.3	.2	.2	.0						7.5
230-250	2.2	4.5	2.2	.2								9.1
(W) 260-280	2.1	4.7	4.2	.6	.2							11.8
290-310	2.6	3.0	5.8	1.5	.2							19.1
320-340	1.2	4.7	2.6	.3								8.8
VARIABLE												
CALM	////////////////////											4.4
TOTALS	21.1	44.3	22.5	3.2	.6							100.0

TOTAL NUMBER OF OBSERVATIONS 2429

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: ALL

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								4.2	5.8 5.5
								3.1	4.9 5.0
								1.7	6.1 6.0
								3.6	6.0 6.0
.1								7.7	6.7 7.0
.1								6.6	7.0 7.0
.2		.0						8.6	6.6 6.0
.2	.2	.0						7.5	7.0 5.0
.2								9.1	7.3 7.0
.6	.2							11.8	8.7 9.0
1.5	.2							19.1	9.0 8.0
.3								8.7	8.0 8.0
								8.4	
3.2	.6							100.0	6.9 7.0

TOTAL NUMBER OF OBSERVATIONS 2429

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG5 WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: NOV HOUR

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIRILITY GE 1/2 MILE (0800 METE  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH

	WIND SPEED IN KNOTS									
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65
(DEGREES)										
(N) 350-010	2.2	5.6	.2							
020-040	2.4	5.3								
050-070	.5	2.9	.5							
(E) 080-100	1.2	1.9	.5							
110-130	2.4	4.3	2.4	.2						
140-160	2.9	2.7	2.4							
(S) 170-190	1.9	5.1	1.7	.2						
200-220	1.4	1.0	.5							
230-250	1.4	3.9	2.4	.5						
(W) 260-280	.7	2.2	3.4	.2						
290-310	3.4	9.4	2.9	1.2						
320-340	1.2	4.8	.7	.2						

VARIABLE

CALM

TOTALS

21.5 49.1 17.6 2.5

TOTAL NUMBER OF OBSERVATIONS 414

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB WI  
ELEV: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
1500 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN
									MEDIAN
								%	WIND
									WIND
								8.0	5.9
								7.7	5.5
								3.9	6.8
								3.6	6.3
.2								9.4	7.2
								6.0	6.3
.2								8.9	7.1
								2.9	5.1
.2								8.2	8.5
.2								6.5	9.3
1.2								16.9	7.5
.2								7.0	7.1

//////////////////// 8.9 //////////////////////  
2.5 100.0 6.4 7.0

TOTAL NUMBER OF OBSERVATIONS 414

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: DEC HOUR

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65
(N) 350-010	.7	.7	.4							
020-040	.4	.7								
050-070	1.4	.7								
(E) 080-100	1.4	1.4								
110-130	3.2	2.4	1.4							
140-160	1.1	1.4	.7							
(S) 170-190	1.3	2.5	2.1							
200-220	2.6	4.2	1.1							
230-250	2.1	2.9	1.3							
(W) 260-280	5.6	4.9	2.5	.4						
290-310	6.7	9.5	4.2	1.4						
320-340	2.8	1.8	.7							
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	30.4	33.4	14.9	1.8						

TOTAL NUMBER OF OBSERVATIONS 284

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG3 WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 06-08

WIND SPEED IN KNOTS

15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
								1.8	6.6	6.0
								1.1	5.3	5.0
								2.5	3.7	4.0
								2.2	4.8	4.5
								7.4	5.8	5.0
								3.2	6.0	6.0
								6.3	6.8	7.0
								8.1	5.9	5.0
								6.7	6.3	6.0
.4								13.4	6.3	6.0
1.4								21.2	7.0	6.5
								5.3	5.5	4.0

19.7

100.0 5.0 5.0

TOTAL NUMBER OF OBSERVATIONS 284



OPERATING LOCATION NAM  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: DEC HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	1
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64		
(N) 350-010	.4	1.1	.5									
020-040	.6	.8	.2									
050-070	.7	1.1										
(E) 080-100	2.7	1.8	.2									
110-130	1.7	3.3	1.4	.2								
140-160	3.2	2.2	.6	.1								
(S) 170-190	2.3	3.5	1.3		.1							
200-220	1.5	3.5	.5	.2								
230-250	1.3	3.3	1.4									
(W) 260-280	1.5	5.0	4.3	1.1								1
290-310	4.5	10.4	5.8	2.0	.2							2
320-340	2.0	4.5	2.3									
VARIABLE												
CALM	////////////////////////////////////											1
TOTALS	23.0	41.5	19.4	3.6	.3							100

TOTAL NUMBER OF OBSERVATIONS 452

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB 41  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 68  
MONTH: DEC HOURS: 09-11

WIND SPEED IN KNOTS

0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.5									2.3	6.3	5.5
.2									1.6	5.6	5.0
									1.5	5.3	5.0
.2									4.7	4.8	4.0
1.4	.2								6.8	5.9	6.0
.5	.1								6.0	5.1	4.0
1.3		.1							7.3	5.8	6.0
.5	.2								5.8	6.2	6.0
1.4									6.7	7.1	7.0
.3	1.1								12.9	8.3	7.0
5.4	2.0	.2							22.0	8.2	8.0
1.3									6.7	7.3	8.0
									13.1		
1.4	3.6	.3							100.0	6.3	7.0

TOTAL NUMBER OF OBSERVATIONS 952

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG9 WI  
LST TO UTC: + 6

PERIOD OF RECORD  
MONTH: DEC H

		WIND SPEED IN KNOTS											
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE	
(N)	350-010	1.5	.4	.5									
	020-040	.8	1.2	.2									
	050-070	1.1	1.1	.1									
(E)	080-100	1.8	1.3	.8									
	110-130	2.0	3.6	2.2	.2								
	140-160	1.3	3.3	1.4	.1								
(S)	170-190	2.0	3.2	.6	.4								
	200-220	1.5	3.6	1.5									
	230-250	1.4	3.9	2.0	.4								
(W)	260-280	2.0	6.7	5.4	1.3								
	290-310	2.1	9.2	7.3	2.1	.2							
	320-340	2.0	3.4	2.6	.1								
.....													
VARIABLE													
CALM		////////////////////////////////////											
TOTALS		19.5	40.9	24.6	4.6	.2							

TOTAL NUMBER OF OBSERVATIONS 855

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANG B MI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 12-14

WIND SPEED IN KNOTS									
5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND
								2.3	5.5
								2.2	5.3
								2.2	4.9
								3.9	6.2
.2								8.1	7.3
.1								6.1	7.0
.4								6.1	6.6
								6.7	6.8
.4								7.6	7.7
1.3								15.3	8.9
2.1	.2							20.9	9.5
.1								4.1	7.6

//////////////////// 10.5 //////////////////  
4.5 .2 100.0 7.0 3.0

TOTAL NUMBER OF OBSERVATIONS 355

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VFR  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: A  
MONTH: DEC HOURS

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65
(N) 350-010	1.1	.8	.4							
020-040	.8	.6	.2							
050-070	1.7	1.0								
(E) 090-100	2.1	1.9	1.1							
110-130	3.2	2.9	2.3	.2						
140-160	3.4	2.3	.8		.2					
(S) 170-190	4.0	2.5	.8	.2						
200-220	1.3	2.5	1.1							
230-250	1.1	5.1	.3	.2						
(W) 260-280	3.2	10.1	4.2	1.3						
290-310	3.0	7.2	7.0	1.5						
320-340	1.1	3.2	1.5	.2						
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	26.0	40.1	20.2	3.6	.2					1
TOTAL NUMBER OF OBSERVATIONS 526										

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 15-17

WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
.4										2.3	5.3	5.0
.2										1.5	5.0	5.0
										2.7	4.5	4.0
.1										5.1	5.9	5.0
.2	.2									8.6	6.4	5.0
.1		.2								6.7	5.9	4.0
.1	.2									7.4	5.4	4.0
.1										4.9	7.2	7.0
.1	.2									7.2	5.9	7.0
.2	1.3									18.8	3.0	7.0
.2	1.5									13.2	3.5	9.0
.1	.2									6.1	7.5	8.0

//////////////////// 9.9 //////////////////  
 .2 3.6 .2 100.0 6.5 7.0

TOTAL NUMBER OF OBSERVATIONS 526

OPERATING LOCATION WAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG W  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: DEC HOURS: AL

WIND SPEED IN KNOTS												TOTAL
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.1	.7	.4									2.2
020-040	.7	.9	.2									1.8
050-070	1.2	1.0	.0									2.2
(E) 080-100	2.1	1.6	.6									4.3
110-130	2.3	3.3	1.9	.2								7.7
140-160	2.3	2.5	.9	.1	.0							5.8
(S) 170-190	2.5	3.1	1.0	.2	.0							6.8
200-220	1.6	3.4	1.0	.1								6.1
230-250	1.4	3.8	1.5	.2								7.9
(W) 260-280	2.5	7.0	4.4	1.1								15.0
290-310	3.6	9.3	6.4	1.9	.2							21.4
320-340	1.9	3.5	2.1	.1								7.6
VARIABLE												
CALM	////////////////////////////////////											12.0
TOTALS	23.2	40.1	20.4	3.9	.2							100.0

TOTAL NUMBER OF OBSERVATIONS 2517

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGE WI PERIOD OF RECORD: AUG 73 - JUL 88  
ELEVATION: 6 MONTH: DEC HOURS: ALL

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
10-19	20-24	25-29	30-34	35-39	40-49	50-64			
						GE 65	%	WIND	WIND
							2.3	5.9	5.0
							1.7	5.3	5.0
							2.2	4.8	4.0
							4.3	5.5	5.0
.2							7.7	6.9	6.0
.1	.0						5.8	6.0	5.0
.2	.0						6.8	6.4	6.0
.1							6.2	5.5	6.0
.2							6.9	7.2	7.0
1.1							15.0	8.4	8.0
1.9	.2						21.3	8.6	8.0
.1							7.6	7.3	8.0

//////////////////// 12.3 //////////////////  
3.9 .2 100.0 6.4 7.0

TOTAL NUMBER OF OBSERVATIONS 2517



PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: AUG 7  
MONTH: DEC HOURS: AL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILI

		WIND SPEED IN KNOTS										
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT
(DEGREES)												
(N) 350-010	2.6	.8	.2									3.
020-040	.4	1.4	.5									2.
050-070	1.0	.8	.2									2.
(E) 080-100	2.6	3.4	1.0									7.
110-130	2.6	6.4	4.8									13.
140-160	3.3	2.4	1.0									7.
(S) 170-190	3.3	3.4	2.5	.2								10.
200-220	1.4	2.4	.6									4.
230-250	1.2	4.2	1.0	.2								6.
(W) 260-280	1.2	3.4	2.6	.2								7.
290-310	3.0	3.2	4.2	1.0	.2							11.
320-340	2.4	4.2	1.8	.2								8.

.....						
VARIABLE						
CALM	////////////////////////////////////					10.
TOTALS	25.0	41.0	20.6	1.8	.2	100.

TOTAL NUMBER OF OBSERVATIONS 498

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 89  
MONTH: DEC HOURS: ALL

.....										
LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).										
AND/OR										
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.										
.....										
WIND SPEED IN KNOTS										
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
.....									WIND	WIND
.....									%	
.2									3.6	4.3 4.0
.5									2.4	6.8 6.5
.2									2.0	5.7 4.5
1.0									7.0	6.0 6.0
.4									13.9	7.5 8.0
1.0									7.2	5.0 4.0
2.5	.2								10.0	6.5 5.5
.5									4.4	5.7 5.0
1.0	.2								6.5	7.0 7.0
0.6	.2								7.4	8.5 8.0
4.2	1.0	.2							16.7	8.1 8.0
1.8	.2								8.6	7.2 7.0
.....										
////////////////////////////////////									10.0	////////////////////////////////
1.6	1.6	.2							100.0	6.3 6.0
.....										
TOTAL NUMBER OF OBSERVATIONS 498										
.....										

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: ALL HTU

WIND SPEED IN KNOTS											
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(DEGREES)											
(N) 350-010	1.6	2.0	.3	.1	.0						
020-040	1.6	1.5	.3	.0							
050-070	1.3	1.6	.5	.0							
(E) 080-100	1.9	2.5	1.1	.1	.0						
110-130	2.4	4.1	1.7	.1	.0						
140-160	2.0	3.4	1.4	.1	.0						
(S) 170-190	1.3	4.6	2.2	.2	.0	.0					
200-220	1.5	3.5	1.8	.2	.0	.0					
230-250	1.6	3.6	1.9	.3	.1	.0	.0				
(W) 260-280	2.4	4.6	3.1	.5	.1	.0					
290-310	2.6	6.1	4.6	.9	.2	.0	.0				
320-340	2.0	3.9	2.4	.4	.1	.0					
VARIABLE											
CALM	////////////////////////////////////										
TOTALS	22.8	41.5	21.8	2.9	.5						

TOTAL NUMBER OF OBSERVATIONS: 39112

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLG ANGB WI  
LAT: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS									
10-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								%	WIND WIND
.1	.0							4.6	6.4 6.0
.0								3.4	5.3 5.0
.0								3.4	5.9 5.0
.1	.0							5.7	6.6 6.0
.1	.0							6.3	6.8 6.0
.1	.0							6.9	6.3 6.0
.2	.0	.0						8.9	7.5 7.0
.2	.0	.0						7.3	7.6 7.0
.3	.1	.0	.0					7.5	7.8 7.0
.5	.1	.0						10.7	8.0 8.0
.1	.2	.0	.0					14.7	8.4 8.0
.4	.1	.0						8.8	7.7 8.0
////////////////////////////////////								9.7	////////////////////////////////
2.9	.5							100.0	6.7 7.0

TOTAL NUMBER OF OBSERVATIONS: 39112

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: ALL HOURS: A

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEIL

WIND SPEED IN KNOTS										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64 GE 65 TO
(N) 350-010	2.4	2.8	.5	.1	.0					5
020-040	2.3	2.5	.6	.0						5
050-070	2.1	3.6	1.4	.1						7
(E) 080-100	3.4	5.6	2.2	.2	.1					11
110-130	3.6	5.2	2.4	.2						13
140-160	2.7	3.1	1.2	.1						7
(S) 170-190	1.9	3.5	1.2	.1						5
200-220	1.5	1.5	.3	.1	.0	.0				3
230-250	.5	1.9	.6	.2	.0					3
(W) 260-280	1.2	2.3	1.5	.2	.2	.0				5
290-310	2.6	5.9	3.3	.2	.1	.1				13
320-340	2.2	3.9	1.5	.2	.1					7
VARIABLE										
CALM	////////////////////////////////////									9
TOTALS	26.7	43.4	17.5	2.3	.5	.1				100

TOTAL NUMBER OF OBSERVATIONS: 4732

STAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

ST: VOLK FLD ANGB MI PERIOD OF RECORD: AUG 73 - JUL 88  
+ 6 MONTH: ALL HOURS: ALL

.....  
THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0300 METERS).  
AND/OR  
(0300 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS									
0-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN MEDIAN
								%	WIND WIND
.1	.0							6.1	5.9 5.0
.0								5.4	5.5 5.0
.1								7.2	6.4 6.0
.2	.1							11.5	6.8 6.0
.2								13.0	6.7 6.0
.1								7.0	6.1 6.0
.1								6.5	6.8 6.0
.1	.0	.0						3.4	6.0 5.0
.2	.0							3.4	7.4 7.0
.2	.2	.0						5.4	8.5 8.0
.2	.1	.1						13.3	8.3 8.0
.2	.1							7.9	7.2 7.0

.....  
//////////////////// 9.5 //////////////////  
2.3 .5 .1 100.0 6.3 6.0

TOTAL NUMBER OF OBSERVATIONS: 4732

pppppppp  
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## PART D

### CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

#### CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1969, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

#### SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.



NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: JAN HOURS

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	35.6	36.6	37.6	38.3	39.2	39.2	40.2	40.2	40.2	40.2	40.7	40.
GE 20000	40.4	42.1	43.5	44.3	45.2	45.2	46.4	46.7	46.7	46.7	47.1	47.
GE 18000	40.9	42.6	44.0	44.7	45.7	45.7	46.9	47.1	47.1	47.1	47.6	47.
GE 16000	40.9	42.6	44.0	44.7	45.7	45.7	46.9	47.1	47.1	47.1	47.6	47.
GE 14000	41.7	43.8	45.2	45.9	46.9	46.9	48.1	48.3	48.3	48.3	48.8	48.
GE 12000	42.8	44.7	46.2	46.9	47.9	47.8	49.0	49.3	49.3	49.3	49.9	49.
GE 10000	45.9	47.8	49.3	50.0	51.0	51.0	52.2	52.4	52.4	52.4	52.9	52.
GE 9000	46.2	48.1	49.5	50.2	51.2	51.2	52.4	52.6	52.6	52.6	53.1	53.
GE 8000	48.3	51.0	52.6	53.6	54.8	54.8	56.0	56.2	56.2	56.2	56.7	56.
GE 7000	50.2	52.4	54.1	55.0	56.2	56.5	57.7	57.9	57.9	57.9	58.4	58.
GE 6000	52.4	54.5	56.2	57.2	58.4	58.6	59.8	60.0	60.0	60.0	60.5	60.
GE 5000	53.6	55.7	57.4	58.4	59.6	59.8	61.0	61.2	61.2	61.2	61.7	61.
GE 4500	54.3	56.5	58.1	59.1	60.3	60.5	61.7	62.0	62.0	62.0	62.4	62.
GE 4000	55.5	57.7	59.3	60.5	61.7	62.0	63.2	63.4	63.4	63.4	63.9	63.
GE 3500	56.3	58.6	60.3	61.5	62.7	62.9	64.1	64.4	64.4	64.4	64.8	64.
GE 3000	59.1	61.2	63.2	64.6	66.0	66.5	67.7	68.2	68.2	68.2	68.7	68.
GE 2500	61.0	63.4	65.4	67.7	69.1	69.6	70.8	71.3	71.3	71.3	71.8	71.
GE 2000	64.5	67.0	69.9	71.3	73.4	73.9	75.4	76.1	76.1	76.1	76.6	76.
GE 1800	65.1	67.5	70.3	72.2	73.9	74.4	75.8	76.5	76.6	76.6	77.3	77.
GE 1500	67.9	70.6	73.9	76.1	78.2	78.7	80.4	82.1	82.1	82.3	83.0	83.
GE 1200	68.9	71.5	75.4	77.3	80.1	80.9	83.0	84.7	84.7	84.9	85.6	85.
GE 1000	70.1	73.0	77.5	79.9	82.3	83.0	85.2	86.8	86.8	87.1	88.3	88.
GE 900	70.3	73.2	77.8	80.1	83.0	83.7	85.9	87.6	87.6	87.8	89.0	89.
GE 800	70.3	73.7	78.2	80.6	83.7	84.4	87.1	89.0	89.0	89.2	90.4	90.
GE 700	70.3	73.7	78.5	80.9	84.2	84.9	87.6	89.5	89.5	90.4	91.9	91.
GE 600	71.1	73.9	78.7	81.1	84.7	85.4	88.5	90.4	90.4	91.4	92.8	92.
GE 500	71.3	74.2	79.2	81.6	85.2	85.9	89.7	91.6	91.6	92.8	94.5	94.
GE 400	71.3	74.2	79.2	81.3	85.4	86.1	90.2	92.1	92.1	93.8	95.5	95.
GE 300	71.3	74.2	79.2	81.2	85.6	86.4	90.4	92.3	92.3	94.0	95.9	95.
GE 200	71.3	74.2	79.2	81.3	85.6	86.4	90.4	92.3	92.3	94.5	96.4	96.
GE 100	71.3	74.2	79.2	81.8	85.6	86.4	90.4	92.3	92.3	94.5	96.4	96.

TOTAL NUMBER OF OBSERVATIONS 414

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 85  
MONTH: JAN HOURS: 06-08

VISIBILITY IN STATUTE MILES												
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GF
39.2	39.2	40.2	40.2	40.2	40.2	40.7	40.7	40.7	40.7	41.1	41.4	
45.2	45.2	46.4	46.7	46.7	46.7	47.1	47.1	47.1	47.1	47.6	47.8	
45.7	45.7	46.9	47.1	47.1	47.1	47.6	47.6	47.6	47.6	48.1	48.3	
45.7	45.7	46.9	47.1	47.1	47.1	47.6	47.6	47.6	47.6	48.1	48.3	
46.9	46.9	48.1	48.3	48.3	48.3	48.8	48.8	48.8	48.8	49.3	49.5	
47.3	47.8	49.0	49.3	49.3	49.3	49.8	49.8	49.8	49.8	50.2	50.5	
51.0	51.0	52.2	52.4	52.4	52.4	52.9	52.9	52.9	52.9	53.3	53.6	
51.2	51.2	52.4	52.6	52.6	52.6	53.1	53.1	53.1	53.1	53.6	53.9	
54.8	54.8	55.0	55.2	55.2	55.2	56.7	56.7	56.7	56.7	57.2	57.4	
55.2	55.5	57.7	57.9	57.9	57.9	58.4	58.4	58.4	58.4	58.9	59.1	
58.4	58.6	59.3	60.0	60.0	60.0	60.5	60.5	60.5	60.5	61.0	61.2	
59.6	59.3	61.0	61.2	61.2	61.2	61.7	61.7	61.7	61.7	62.2	62.4	
60.3	60.5	61.7	62.0	62.0	62.0	62.4	62.4	62.4	62.4	62.9	63.2	
61.7	62.0	63.2	63.4	63.4	63.4	63.9	63.9	63.9	63.9	64.4	64.6	
62.7	62.9	64.1	64.4	64.4	64.4	64.8	64.8	64.8	64.8	65.3	65.5	
66.0	66.5	67.7	68.2	68.2	68.2	68.7	68.7	68.7	68.7	69.1	69.4	
69.1	69.6	70.8	71.3	71.3	71.3	71.8	71.8	71.8	71.8	72.2	72.5	
73.4	73.9	75.4	75.1	75.1	75.1	75.6	75.6	75.6	75.6	76.1	76.3	
73.9	74.4	75.8	76.5	76.6	76.6	77.3	77.3	77.3	77.3	77.8	78.0	
78.2	78.7	80.4	82.1	82.1	82.3	83.0	83.0	83.0	83.0	83.7	84.0	
80.1	80.9	83.0	84.7	84.7	84.9	85.6	85.6	85.6	85.6	86.4	86.6	
82.3	83.0	85.2	86.8	86.8	87.1	88.3	88.3	88.3	88.3	89.0	89.2	
83.0	83.7	85.9	87.6	87.6	87.8	89.0	89.0	89.2	89.2	90.0	90.2	
83.7	84.4	87.1	89.0	89.0	89.2	90.4	90.4	90.7	90.7	91.4	91.6	
84.2	84.9	87.6	89.5	89.5	90.4	91.9	91.9	92.1	92.1	92.8	93.1	
84.7	85.4	88.5	90.4	90.4	91.4	92.8	92.8	93.1	93.1	93.8	94.0	
85.2	85.9	89.7	91.6	91.6	92.8	94.5	94.5	94.7	94.7	95.5	95.7	
85.4	86.1	90.2	92.1	92.1	93.8	95.5	95.7	95.9	95.9	96.9	97.4	
85.6	86.4	90.4	92.3	92.3	94.0	95.9	96.2	96.7	96.7	97.5	98.1	
85.6	86.4	90.4	92.3	92.3	94.5	96.4	96.7	97.6	97.6	98.6	99.0	
85.6	86.4	90.4	92.3	92.3	94.5	96.4	96.7	98.1	98.1	99.3	99.8	
85.6	86.4	90.4	92.3	92.3	94.5	96.4	96.7	98.1	98.1	99.3	100.0	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B HI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: JAN HOURS: 0

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	39.8	40.5	41.4	41.8	42.1	42.1	42.4	42.4	42.4	42.5	42.5	42.5
GE 20000	45.7	46.5	47.5	48.0	48.7	48.7	49.2	49.3	49.3	49.4	49.5	49.5
GE 18000	46.2	47.1	48.1	48.5	49.2	49.2	49.7	49.8	49.8	49.9	50.0	50.0
GE 16000	46.2	47.1	48.1	48.5	49.2	49.2	49.7	49.8	49.8	49.9	50.0	50.0
GE 14000	47.8	48.7	49.7	50.1	50.8	50.8	51.3	51.4	51.4	51.5	51.6	51.6
GE 12000	49.0	50.0	51.0	51.4	52.2	52.2	52.7	52.8	52.8	52.9	53.0	53.0
GE 10000	53.5	54.7	55.6	56.0	56.8	56.9	57.4	57.5	57.5	57.6	57.7	57.7
GE 9000	53.5	54.7	55.6	56.0	56.8	56.9	57.4	57.5	57.5	57.6	57.7	57.7
GE 8000	56.5	58.0	59.0	59.4	60.2	60.3	61.0	61.1	61.1	61.2	61.3	61.3
GE 7000	57.0	58.4	59.4	59.8	60.7	61.1	61.8	61.9	61.9	62.0	62.1	62.1
GE 6000	58.7	60.2	61.4	61.8	62.8	63.2	63.9	64.0	64.1	64.2	64.3	64.3
GE 5000	59.7	61.5	62.8	63.2	64.4	65.0	65.5	65.7	65.8	65.9	66.0	66.0
GE 4500	60.7	62.3	63.5	64.0	65.1	65.7	66.5	66.6	66.7	66.8	66.9	66.9
GE 4000	61.9	63.7	65.3	65.8	67.0	67.5	68.4	68.5	68.6	68.7	68.8	68.8
GE 3500	62.2	64.0	65.7	66.2	67.5	68.1	68.9	69.0	69.1	69.2	69.4	69.4
GE 3000	62.3	64.9	67.0	67.7	69.2	70.0	70.8	70.9	71.0	71.1	71.3	71.3
GE 2500	64.1	66.2	68.4	69.3	70.8	71.7	72.6	72.9	73.0	73.1	73.4	73.4
GE 2000	65.8	68.4	72.0	73.0	74.7	75.5	76.7	77.1	77.3	77.5	78.0	78.0
GE 1800	67.2	69.9	72.5	73.5	75.2	76.1	77.4	78.0	78.2	78.5	79.1	79.1
GE 1500	69.7	72.7	75.4	76.5	78.9	80.1	81.6	82.5	82.7	83.2	83.8	83.8
GE 1200	70.8	74.2	77.5	79.1	81.4	82.8	84.4	85.3	85.5	86.1	86.8	86.8
GE 1000	71.5	75.2	79.0	80.8	83.6	85.0	86.6	87.8	88.0	88.9	89.8	89.8
GE 900	71.3	75.4	79.2	81.1	84.1	85.4	87.1	88.5	88.7	89.5	90.5	90.5
GE 800	72.4	76.1	79.9	81.9	84.9	86.2	87.9	89.5	89.7	90.9	91.9	91.9
GE 700	72.5	76.4	80.2	82.2	85.2	86.6	88.6	90.3	90.5	91.9	92.9	92.9
GE 600	72.6	76.5	80.4	82.5	85.5	87.3	89.4	91.2	91.4	92.8	93.8	93.8
GE 500	72.6	76.5	80.7	82.9	86.1	87.3	90.3	92.3	92.6	94.3	95.5	95.5
GE 400	72.6	76.6	80.7	82.9	86.4	88.1	90.8	92.8	93.1	95.0	96.3	96.3
GE 300	72.5	76.6	80.7	82.9	86.5	88.2	90.9	93.0	93.3	95.1	97.3	97.3
GE 200	72.6	76.6	80.7	82.9	86.5	88.2	90.9	93.0	93.3	95.1	97.4	97.4
GE 100	72.5	76.5	80.7	82.9	86.5	88.2	90.9	93.0	93.3	95.1	97.5	97.5
GE 000	72.5	76.5	80.7	82.9	86.5	88.2	90.9	93.0	93.3	95.1	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 1010

: VOLK FLO ANGR WI  
+ 6

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OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	40.2	40.2	41.4	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 20000	48.3	49.1	50.0	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 18000	48.7	49.5	50.4	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	48.7	49.5	50.4	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	47.9	50.5	51.6	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 12000	50.8	51.6	52.6	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 10000	54.7	55.6	56.6	57.2	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	54.4	55.7	56.7	57.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 8000	58.6	59.5	60.6	61.2	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0
GE 7000	59.1	59.1	61.3	61.9	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8
GE 6000	60.1	61.2	62.4	63.0	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	61.5	62.9	64.1	64.7	65.4	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9
GE 4500	62.0	63.6	64.9	65.5	66.2	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7
GE 4000	63.6	65.3	66.9	67.5	68.2	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8
GE 3500	64.1	65.8	67.4	68.1	68.8	69.1	69.3	69.5	69.5	69.7	69.7	69.7	69.7
GE 3000	65.0	67.1	68.9	70.4	71.5	72.0	72.2	72.4	72.4	72.5	72.6	72.6	72.7
GE 2500	66.5	68.6	70.5	72.1	73.3	73.3	74.1	74.3	74.3	74.5	74.5	74.5	74.5
GE 2000	69.9	72.2	74.1	75.7	77.1	77.5	77.9	78.2	78.3	78.5	78.5	78.5	78.5
GE 1800	70.4	72.8	74.7	76.4	77.8	78.4	78.7	79.3	79.4	79.6	79.6	79.6	79.7
GE 1500	73.8	76.7	79.3	81.2	83.1	83.8	84.1	84.9	85.1	85.4	85.8	85.8	85.8
GE 1200	75.2	78.5	81.5	83.5	85.6	86.3	86.6	87.6	87.8	88.1	88.5	88.5	88.6
GE 1000	75.8	79.4	82.6	84.9	87.7	88.4	88.8	89.9	90.1	91.2	91.9	91.9	92.0
GE 900	76.1	79.7	82.9	85.2	88.0	88.7	89.2	90.4	90.6	91.7	92.4	92.4	92.8
GE 800	76.9	80.5	83.8	86.1	89.0	89.7	90.2	91.4	91.6	93.1	93.8	93.8	93.8
GE 700	76.9	80.5	83.9	86.3	89.2	90.1	90.6	91.8	92.2	93.8	94.5	94.5	94.7
GE 600	76.9	80.5	84.1	86.7	89.8	90.8	91.3	92.6	93.0	94.5	95.5	95.5	95.7
GE 500	76.9	80.6	84.2	86.8	90.0	91.0	91.8	93.4	93.9	95.7	96.9	96.9	97.1
GE 400	76.9	80.6	84.2	86.8	90.0	91.3	92.2	94.0	94.5	96.3	97.6	97.6	98.0
GE 300	76.9	80.6	84.3	86.9	90.1	91.6	92.5	94.3	94.9	96.7	98.4	98.4	98.6
GE 200	76.9	80.6	84.3	86.9	90.1	91.6	92.5	94.4	95.0	96.8	98.6	98.6	99.1
GE 100	76.9	80.6	84.3	86.9	90.1	91.6	92.5	94.4	95.0	96.8	98.6	98.6	99.1
GE 000	76.9	80.6	84.3	86.9	90.1	91.6	92.5	94.4	95.0	96.8	98.6	98.6	99.1

TOTAL NUMBER OF OBSERVATIONS 1011

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
TZO: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN HOURS: 12-14

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
4	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2	61.4	61.4	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
1	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
1	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2	65.4	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
3	66.2	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2	68.2	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
1	69.3	69.1	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
1	71.5	72.0	72.2	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7
1	73.3	73.3	74.1	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6
2	77.1	77.5	77.9	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
3	77.3	78.4	78.7	79.3	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7
2	83.1	83.8	84.1	84.9	85.1	85.4	85.4	85.8	85.9	85.9	85.9	85.9
1	85.5	86.3	86.6	87.6	87.8	88.1	88.5	88.5	88.6	88.6	88.6	88.6
1	87.7	88.4	88.8	89.9	90.1	91.2	91.9	91.9	92.0	92.0	92.0	92.0
2	90.0	88.7	89.2	90.4	90.6	91.7	92.4	92.4	92.5	92.5	92.5	92.5
1	90.0	90.7	90.2	91.4	91.5	93.1	93.3	93.3	93.9	93.9	93.9	93.9
1	90.2	90.1	90.6	91.8	92.2	93.3	94.5	94.5	94.7	94.7	94.7	94.7
2	90.8	90.8	91.3	92.6	93.0	94.5	95.5	95.5	95.7	95.7	95.8	95.8
1	90.0	91.0	91.8	93.4	93.9	95.7	96.9	96.9	97.1	97.1	97.4	97.4
2	90.0	91.3	92.2	94.0	94.5	96.3	97.6	97.6	98.0	98.0	98.4	98.4
3	90.1	91.6	92.5	94.3	94.9	96.7	98.4	98.4	98.9	98.9	99.6	99.6
2	90.1	91.6	92.5	94.4	95.0	96.8	98.5	98.5	99.1	99.1	99.8	99.8
1	90.1	91.6	92.5	94.4	95.0	96.8	98.6	98.6	99.1	99.1	99.8	99.8
1	90.1	91.6	92.5	94.4	95.0	96.8	98.6	98.6	99.1	99.2	99.9	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: JAN HOURS: 15-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	39.3	39.8	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 20000	44.9	46.2	46.8	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 18000	45.2	46.4	47.1	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 16000	45.3	46.6	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 14000	46.0	47.3	48.2	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 12000	47.0	48.2	49.2	49.3	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	52.6	54.0	54.9	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 9000	53.4	54.8	55.3	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 8000	58.2	59.9	61.0	61.3	61.5	61.5	61.7	62.0	62.0	62.0	62.0	62.0	62.0
GE 7000	58.8	60.4	61.5	61.9	62.1	62.1	62.2	62.5	62.5	62.5	62.5	62.5	62.5
GE 6000	59.6	61.3	62.4	62.6	63.0	63.0	63.2	63.5	63.5	63.5	63.5	63.5	63.5
GE 5000	62.0	63.5	64.8	65.5	65.9	65.9	66.2	66.5	66.5	66.5	66.5	66.5	66.5
GE 4500	62.4	64.4	65.7	66.3	66.9	66.9	67.2	67.6	67.6	67.6	67.6	67.6	67.6
GE 4000	63.9	65.5	66.8	67.6	68.1	68.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1
GE 3500	64.0	65.7	66.9	67.7	68.3	68.5	68.8	69.2	69.2	69.5	69.5	69.5	69.5
GE 3000	65.1	66.9	68.3	69.5	70.3	70.6	70.9	71.7	71.7	72.0	72.0	72.0	72.0
GE 2500	67.6	69.4	70.9	72.3	73.1	73.4	73.6	74.6	74.6	74.9	74.9	74.9	74.9
GE 2000	71.0	73.2	75.0	76.6	77.6	78.0	78.4	79.5	79.7	79.9	79.9	79.9	79.9
GE 1800	72.0	74.5	76.3	78.7	79.7	80.1	80.5	81.7	81.9	82.1	82.1	82.1	82.1
GE 1500	75.0	78.0	81.2	83.7	84.6	85.0	85.6	87.0	87.1	87.4	87.4	87.4	87.4
GE 1200	76.0	79.1	83.0	85.9	87.1	87.6	88.3	89.7	89.8	90.5	90.5	90.5	90.5
GE 1000	76.0	79.1	83.2	86.7	88.0	88.6	89.4	90.9	91.1	91.9	92.0	92.0	92.0
GE 900	76.0	79.1	83.2	86.3	88.3	88.9	89.8	91.3	91.5	92.3	92.4	92.4	92.4
GE 800	76.6	79.9	84.1	87.8	89.8	90.5	91.6	93.1	93.3	94.8	94.9	94.9	94.9
GE 700	76.6	79.9	84.2	87.9	90.0	90.7	91.9	93.5	93.8	95.3	95.5	95.5	95.5
GE 600	76.6	79.9	84.2	88.2	90.2	91.2	92.9	94.8	95.1	96.6	96.7	96.7	96.7
GE 500	76.6	79.9	84.2	88.2	90.4	91.5	93.4	95.3	95.6	97.3	97.4	97.4	97.4
GE 400	76.6	79.9	84.3	88.3	90.5	91.6	94.0	95.9	96.2	97.9	98.1	98.1	98.1
GE 300	76.6	80.1	84.5	88.5	90.7	91.8	94.1	96.0	96.3	98.1	98.2	98.2	98.2
GE 200	76.6	80.1	84.5	88.5	90.7	91.8	94.1	96.0	96.3	98.1	98.4	98.4	98.4
GE 100	76.6	80.1	84.5	88.5	90.7	91.8	94.1	96.0	96.3	98.1	98.4	98.4	98.4
GE 000	76.6	80.1	84.5	88.5	90.7	91.8	94.1	96.0	96.3	98.1	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 728



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGE WI  
: 4 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN HOURS: 15-17

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
61.5	61.5	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
62.1	62.1	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
63.0	63.0	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
66.9	66.9	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
66.9	66.9	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
68.1	68.4	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
68.3	68.5	68.8	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5
70.3	70.5	70.9	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
73.1	73.4	73.5	74.5	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9
77.5	78.0	78.4	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
79.7	80.1	80.5	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
84.5	85.0	85.5	87.0	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8
87.1	87.5	88.3	89.7	89.8	90.5	90.5	90.5	90.8	90.8	90.8	90.8
90.0	90.6	90.4	90.9	91.1	91.9	92.0	92.0	92.3	92.3	92.3	92.3
90.3	90.9	90.8	91.3	91.5	92.3	92.4	92.4	92.7	92.7	92.7	92.7
90.8	90.5	91.6	93.1	93.3	94.8	94.9	94.9	95.2	95.2	95.2	95.2
91.0	90.7	91.9	93.5	93.8	95.3	95.5	95.5	95.7	95.9	95.9	95.9
90.2	91.2	92.9	94.8	95.1	96.6	96.7	96.7	97.3	97.5	97.5	97.5
90.4	91.5	93.4	95.3	95.5	97.3	97.4	97.4	98.1	98.4	98.5	98.5
90.5	91.5	94.0	95.9	96.2	97.9	98.1	98.1	98.9	99.2	99.3	99.3
90.7	91.3	94.1	96.0	96.3	98.1	98.2	98.2	99.0	99.3	99.6	99.6
90.7	91.8	94.1	96.0	96.3	98.1	98.4	98.4	99.3	99.6	99.9	99.9
90.7	91.8	94.1	96.0	96.3	98.1	98.4	98.4	99.5	99.7	100.0	100.0
90.7	91.8	94.1	96.0	96.3	98.1	98.4	98.4	99.5	99.7	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: JAN HOURS: ALL

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	39.2	39.9	40.6	41.0	41.3	41.3	41.5	41.5	41.5	41.5	41.6	41.6
GE 20000	45.7	46.7	47.6	48.1	48.6	48.6	48.9	49.0	49.0	49.0	49.1	49.1
GE 18000	46.1	47.1	48.1	48.5	49.0	49.0	49.4	49.4	49.4	49.4	49.5	49.5
GE 16000	46.1	47.1	48.1	48.5	49.0	49.0	49.4	49.4	49.4	49.5	49.6	49.6
GE 14000	47.3	48.3	49.4	49.8	50.3	50.3	50.6	50.7	50.7	50.7	50.8	50.8
GE 12000	48.3	49.4	50.5	50.9	51.4	51.4	51.8	51.8	51.8	51.8	51.9	51.9
GE 10000	52.7	53.9	54.9	55.4	56.0	56.0	56.4	56.4	56.4	56.5	56.6	56.6
GE 9000	53.0	54.2	55.2	55.7	56.2	56.3	56.6	56.7	56.7	56.7	56.8	56.8
GE 8000	56.6	58.0	59.1	59.6	60.3	60.3	60.8	60.9	60.9	61.0	61.1	61.1
GE 7000	57.2	58.6	59.8	60.3	61.0	61.2	61.6	61.8	61.8	61.8	61.9	61.9
GE 6000	58.5	60.0	61.3	61.8	62.6	62.7	63.1	63.3	63.3	63.4	63.5	63.5
GE 5000	60.1	61.7	63.0	63.6	64.4	64.7	65.2	65.4	65.4	65.4	65.5	65.5
GE 4500	60.3	62.4	63.8	64.4	65.2	65.5	66.0	66.2	66.3	66.3	66.4	66.4
GE 4000	62.0	63.8	65.4	66.1	66.9	67.3	67.9	68.1	68.1	68.1	68.2	68.2
GE 3500	62.5	64.2	65.8	66.5	67.5	67.9	68.4	68.6	68.6	68.8	68.9	68.9
GE 3000	63.5	65.6	67.4	68.6	69.8	70.3	70.9	71.2	71.2	71.4	71.5	71.5
GE 2500	65.2	67.4	69.3	70.7	71.9	72.5	73.1	73.5	73.5	73.7	73.9	73.9
GE 2000	68.5	70.9	73.1	74.5	75.9	76.5	77.3	77.9	78.0	78.2	78.5	78.5
GE 1800	69.1	71.6	73.9	75.4	76.9	77.5	78.3	79.1	79.2	79.5	79.7	79.7
GE 1500	72.0	74.9	77.8	79.7	81.5	82.2	83.1	84.2	84.4	84.8	85.2	85.2
GE 1200	73.1	76.3	79.2	81.9	83.9	84.7	85.8	87.0	87.1	87.5	88.1	88.1
GE 1000	73.7	77.2	80.9	83.3	85.8	86.5	87.8	89.1	89.2	90.1	90.8	90.8
GE 900	73.9	77.4	81.1	83.6	86.2	87.1	88.3	89.6	89.8	90.7	91.3	91.3
GE 800	74.6	78.1	81.9	84.4	87.2	88.1	89.4	90.9	91.0	92.3	93.0	93.0
GE 700	74.6	78.2	82.1	84.6	87.5	88.4	89.9	91.4	91.7	93.1	93.8	93.8
GE 600	74.7	78.2	82.2	85.0	87.9	89.1	90.7	92.4	92.6	94.0	94.9	94.9
GE 500	74.7	78.3	82.4	85.2	88.2	89.4	91.4	93.2	93.5	95.2	96.3	96.3
GE 400	74.7	78.3	82.4	85.3	88.4	89.7	91.9	93.8	94.1	95.9	97.0	97.1
GE 300	74.7	78.4	82.5	85.3	88.5	89.9	92.1	94.0	94.3	96.2	97.7	97.7
GE 200	74.7	78.4	82.5	85.3	88.5	89.9	92.1	94.0	94.4	96.3	97.9	97.9
GE 100	74.7	78.4	82.5	85.3	88.5	89.9	92.1	94.0	94.4	96.3	97.9	97.9
GE 000	74.7	78.4	82.5	85.3	88.5	89.9	92.1	94.0	94.4	96.3	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS 3167

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANG 41  
\* 6

PERIOD OF RECORD: AUG 73 - JUL 85  
MONTH: JAN HOURS: ALL

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
41.3	41.3	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.7
48.6	48.6	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.2	49.2
49.0	49.0	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.7
49.0	49.0	49.4	49.4	49.4	49.5	49.6	49.6	49.6	49.6	49.7	49.7
50.3	50.3	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.9	51.0
51.4	51.4	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.1
56.0	56.0	56.4	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.7
56.2	56.3	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.9	56.9
60.3	60.3	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.2
61.0	61.2	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	62.0	62.0
62.6	62.7	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.6	63.6
64.4	64.7	65.2	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6
65.2	65.5	66.0	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5
66.9	67.3	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.4
67.5	67.9	68.4	68.6	68.6	68.8	68.9	68.9	68.9	68.9	69.0	69.1
69.3	70.3	70.9	71.2	71.2	71.4	71.5	71.5	71.6	71.6	71.6	71.7
71.9	72.5	73.1	73.5	73.5	73.7	73.9	73.9	73.9	73.9	74.0	74.0
75.7	76.5	77.3	77.9	78.0	78.2	78.5	78.5	78.5	78.5	78.6	78.6
76.7	77.5	78.3	79.1	79.2	79.5	79.7	79.7	79.8	79.8	79.9	79.9
81.5	82.2	83.1	84.2	84.4	84.8	85.2	85.2	85.3	85.3	85.4	85.4
83.9	84.7	85.8	87.0	87.1	87.5	88.1	88.1	88.2	88.2	88.3	88.3
85.8	86.5	87.8	89.1	89.2	90.1	90.8	90.8	90.9	90.9	91.1	91.1
86.2	87.1	88.3	89.6	89.8	90.7	91.3	91.3	91.5	91.5	91.7	91.7
87.2	88.1	89.4	90.9	91.0	92.3	93.0	93.0	93.2	93.2	93.3	93.4
87.5	88.4	89.9	91.4	91.7	93.1	93.8	93.8	94.1	94.2	94.3	94.4
87.9	89.1	90.7	92.4	92.6	94.0	94.9	94.9	95.3	95.3	95.5	95.6
88.2	89.4	91.4	93.2	93.6	95.2	96.3	96.3	96.7	96.7	97.1	97.1
88.4	89.7	91.9	93.8	94.1	95.9	97.0	97.1	97.6	97.6	98.0	98.1
88.5	89.9	92.1	94.0	94.3	96.2	97.7	97.7	98.4	98.5	99.0	99.1
88.5	89.9	92.1	94.0	94.4	96.3	97.9	97.9	98.7	98.8	99.4	99.5
88.5	89.9	92.1	94.0	94.4	96.3	97.9	97.9	98.8	99.0	99.7	99.8
88.5	89.9	92.1	94.0	94.4	96.3	97.9	97.9	98.9	99.1	99.3	100.0

OPERATING LOCATION \*AW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: FEB HOURS: 06-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	36.1	38.3	40.3	41.0	41.9	41.9	42.5	42.7	43.0	43.0	43.4	43.4	43.4
GE 20000	41.0	43.8	46.3	47.1	48.0	48.2	48.9	49.1	49.3	49.3	49.8	49.8	49.8
GE 18000	41.2	44.1	46.5	47.4	48.2	48.5	49.1	49.3	49.6	49.6	50.0	50.0	50.0
GE 16000	41.2	44.1	46.5	47.4	48.2	48.5	49.1	49.3	49.6	49.6	50.0	50.0	50.0
GE 14000	41.4	44.3	46.7	47.6	48.5	48.7	49.3	49.6	49.8	49.8	50.2	50.2	50.2
GE 12000	42.3	45.4	47.8	48.7	49.6	49.8	50.4	50.7	50.9	50.9	51.3	51.3	51.3
GE 10000	46.3	49.8	52.2	53.1	54.0	54.2	54.8	55.3	55.5	55.5	55.9	55.9	55.9
GE 9000	46.7	50.2	52.6	53.5	54.4	54.6	55.3	55.7	55.9	55.9	56.4	56.4	56.4
GE 8000	47.8	51.5	54.8	55.7	56.6	56.8	57.7	58.1	58.4	58.4	58.8	58.8	58.8
GE 7000	49.1	53.3	56.6	57.5	58.4	58.6	59.7	60.1	60.4	60.4	60.8	60.8	60.8
GE 6000	50.2	54.4	57.7	58.6	59.5	59.7	60.8	61.2	61.5	61.5	61.9	61.9	61.9
GE 5000	51.5	55.7	59.3	60.4	61.2	61.5	62.5	63.0	63.2	63.2	63.7	63.7	63.7
GE 4500	51.8	55.9	59.5	60.6	61.5	61.7	62.8	63.2	63.4	63.4	63.9	63.9	63.9
GE 4000	52.9	57.3	60.8	61.9	62.8	63.0	64.1	64.5	64.8	64.8	65.2	65.2	65.2
GE 3500	52.9	57.7	61.7	62.8	63.7	63.9	65.0	65.4	65.6	65.6	66.1	66.1	66.1
GE 3000	54.6	59.7	64.1	65.2	66.3	66.7	68.1	68.5	68.7	68.9	69.4	69.4	69.4
GE 2500	56.8	62.6	67.0	68.1	69.2	69.6	70.9	71.4	71.6	71.8	72.2	72.2	72.2
GE 2000	59.3	65.6	70.5	72.2	74.4	74.9	76.7	77.1	77.3	77.5	78.0	78.0	78.0
GE 1800	60.1	66.5	71.4	73.1	75.3	75.8	77.5	78.0	78.2	78.4	78.9	78.9	78.9
GE 1500	62.3	68.7	74.2	76.0	78.2	78.9	80.6	81.1	81.3	81.5	82.2	82.2	82.2
GE 1200	63.0	69.4	74.9	76.7	79.1	79.7	81.5	81.9	82.2	82.5	83.3	83.3	83.3
GE 1000	63.9	70.9	76.9	78.6	81.1	81.9	84.1	85.0	85.2	85.9	87.0	87.0	87.0
GE 900	63.9	71.4	77.3	79.7	82.2	83.0	85.2	86.1	86.3	87.4	88.5	88.5	88.5
GE 800	64.1	71.6	78.0	80.0	82.8	84.1	86.8	87.7	87.9	89.0	90.3	90.3	90.3
GE 700	64.1	71.8	78.2	80.4	83.3	84.8	87.9	89.0	89.2	90.5	92.3	92.3	92.3
GE 600	64.5	72.2	78.6	80.3	84.1	85.9	89.0	90.3	90.5	91.9	93.6	93.6	93.6
GE 500	64.5	72.2	78.6	80.8	84.1	86.3	89.9	91.2	91.4	93.4	95.4	95.6	95.6
GE 400	64.5	72.2	78.6	80.8	84.1	86.3	89.9	91.2	91.4	93.6	95.6	95.8	95.8
GE 300	64.5	72.2	78.6	80.8	84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	96.5
GE 200	64.5	72.2	78.6	80.8	84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	96.5
GE 100	64.5	72.2	78.6	80.8	84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	96.5
GE 000	64.5	72.2	78.6	80.8	84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 454

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANG 41  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: FEB HOURS: 06-08

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
41.9	41.9	42.5	42.7	43.0	43.0	43.4	43.4	43.4	43.6	43.6	43.8
44.0	48.2	48.9	49.1	49.3	49.3	49.8	49.8	49.8	50.0	50.0	50.2
44.2	48.5	49.1	49.3	49.6	49.6	50.0	50.0	50.0	50.2	50.2	50.4
44.2	48.5	49.1	49.3	49.6	49.6	50.0	50.0	50.0	50.2	50.2	50.4
44.5	48.7	49.3	49.6	49.8	49.8	50.2	50.2	50.2	50.4	50.4	50.7
47.6	49.8	50.4	50.7	50.9	50.9	51.3	51.3	51.3	51.5	51.5	51.8
54.0	54.2	54.8	55.3	55.5	55.5	55.9	55.9	55.9	56.2	56.2	56.4
54.4	54.6	55.3	55.7	55.9	55.9	56.4	56.4	56.4	56.6	56.6	56.8
55.6	56.8	57.7	58.1	58.4	58.4	58.8	58.8	58.8	59.0	59.0	59.3
58.4	58.6	59.7	60.1	60.4	60.4	60.8	60.8	60.8	61.0	61.0	61.2
59.5	59.7	60.8	61.2	61.5	61.5	61.9	61.9	61.9	62.1	62.1	62.3
61.2	61.5	62.5	63.0	63.2	63.2	63.7	63.7	63.7	63.9	63.9	64.1
61.5	61.7	62.8	63.2	63.4	63.4	63.9	63.9	63.9	64.1	64.1	64.3
62.8	63.0	64.1	64.5	64.8	64.8	65.2	65.2	65.2	65.4	65.4	65.6
63.7	63.9	65.0	65.4	65.6	65.6	66.1	66.1	66.1	66.3	66.3	66.5
65.3	66.7	68.1	68.5	68.7	68.9	69.4	69.4	69.4	69.6	69.6	69.8
69.2	69.5	70.9	71.4	71.6	71.8	72.2	72.2	72.2	72.5	72.5	72.7
74.4	74.9	75.7	77.1	77.3	77.5	78.0	78.0	78.0	78.2	78.2	78.4
75.3	75.8	77.5	78.0	78.2	78.4	78.9	78.9	78.9	79.1	79.1	79.3
74.2	78.9	80.6	81.1	81.3	81.5	82.2	82.2	82.2	82.4	82.4	82.6
79.1	79.7	81.5	81.9	82.2	82.5	83.3	83.3	83.5	83.7	83.7	83.9
81.1	81.9	84.1	85.0	85.2	85.9	87.0	87.0	87.7	87.9	88.1	88.3
82.2	83.0	85.2	86.1	86.3	87.4	88.5	88.5	89.4	89.6	89.9	90.1
82.8	84.1	86.8	87.7	87.9	89.0	90.3	90.3	91.2	91.4	91.5	91.9
83.3	84.8	87.9	89.0	89.2	90.5	92.3	92.3	93.2	93.4	93.6	93.8
84.1	85.9	89.0	90.3	90.5	91.9	93.6	93.6	94.5	94.7	94.9	95.2
84.1	86.3	89.9	91.2	91.4	93.4	95.4	95.6	96.5	96.7	96.9	97.1
84.1	86.3	89.9	91.2	91.4	93.6	95.6	95.8	96.9	97.1	97.4	97.6
84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	98.5	98.7	99.3	99.6
84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	98.7	98.9	99.6	99.8
84.1	86.3	89.9	91.2	91.4	94.1	96.3	96.5	98.7	98.9	99.8	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: FEB HOURS: 24

CEILING		VISIBILITY IN STATUTE MILES										
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8
NO CEIL	34.7	36.7	38.0	39.1	39.8	39.8	39.8	39.9	39.9	39.9	39.9	40.0
GE 20000	44.0	46.8	48.3	49.5	50.2	50.4	50.5	50.7	50.7	50.7	50.7	50.8
GE 18000	44.3	47.3	48.8	50.0	50.7	50.9	51.0	51.2	51.2	51.2	51.2	51.3
GE 16000	44.3	47.3	48.8	50.0	50.7	50.9	51.0	51.2	51.2	51.2	51.2	51.3
GE 14000	44.5	47.5	49.0	50.2	50.9	51.2	51.3	51.5	51.5	51.5	51.5	51.6
GE 12000	45.0	48.4	49.9	51.3	52.0	52.4	52.5	52.7	52.7	52.7	52.7	52.8
GE 10000	48.2	51.5	53.1	54.5	55.2	55.5	55.6	55.8	55.8	55.8	55.8	55.9
GE 9000	48.7	52.2	53.7	55.1	55.8	56.1	56.3	56.5	56.5	56.5	56.5	56.6
GE 8000	50.5	54.2	55.8	57.3	58.2	58.6	58.8	59.0	59.0	59.0	59.0	59.1
GE 7000	52.4	56.3	57.9	59.3	60.2	60.7	61.0	61.2	61.2	61.2	61.2	61.3
GE 6000	52.9	57.1	58.7	60.1	61.1	61.6	61.9	62.1	62.1	62.1	62.1	62.2
GE 5000	54.5	58.8	60.7	62.2	63.1	63.6	63.9	64.1	64.1	64.1	64.1	64.2
GE 4500	54.7	59.1	61.0	62.5	63.4	63.9	64.2	64.5	64.5	64.5	64.5	64.7
GE 4000	55.4	59.8	61.9	63.4	64.4	65.1	65.4	65.7	65.7	65.7	65.7	65.8
GE 3500	55.7	60.2	62.5	64.0	65.1	65.7	66.0	66.3	66.3	66.4	66.4	66.5
GE 3000	56.9	61.5	64.0	65.6	66.8	67.4	68.2	68.5	68.5	68.6	68.6	68.8
GE 2500	58.7	63.8	66.4	68.0	69.3	69.9	70.9	71.2	71.2	71.3	71.3	71.4
GE 2000	61.4	66.9	70.2	72.0	73.8	74.7	75.9	76.3	76.3	76.4	76.4	76.5
GE 1800	61.7	67.2	70.5	72.3	74.1	75.0	76.2	76.7	76.7	76.8	76.8	76.9
GE 1500	63.0	68.9	72.8	75.2	77.0	78.0	79.3	80.1	80.1	80.6	80.9	80.9
GE 1200	63.8	69.7	74.1	76.5	78.6	79.6	81.1	82.0	82.0	82.9	83.1	83.2
GE 1000	64.4	70.5	75.2	77.8	80.1	81.9	84.2	85.1	85.1	86.4	86.6	86.7
GE 900	64.7	71.1	75.8	78.5	81.3	83.4	85.9	85.9	86.9	88.2	88.4	88.5
GE 800	64.8	71.7	76.4	79.2	82.2	84.3	86.9	88.0	88.0	89.7	90.4	90.5
GE 700	64.8	71.7	76.6	79.4	82.6	84.9	87.9	89.0	89.0	90.9	92.0	92.1
GE 600	65.5	72.4	77.4	80.2	84.1	86.6	89.8	91.4	91.4	93.5	94.7	94.9
GE 500	65.5	72.4	77.4	80.2	84.1	86.6	89.9	91.7	91.7	94.1	95.5	95.7
GE 400	65.5	72.4	77.4	80.2	84.1	86.7	90.1	92.2	92.3	94.8	96.3	97.0
GE 300	65.5	72.4	77.4	80.2	84.1	86.7	90.1	92.4	92.5	95.3	97.3	97.5
GE 200	65.5	72.4	77.4	80.2	84.1	86.7	90.1	92.4	92.5	95.3	97.3	97.5
GE 100	65.5	72.4	77.4	80.2	84.1	86.7	90.1	92.4	92.5	95.3	97.4	97.6
GE 000	65.5	72.4	77.4	80.2	84.1	86.7	90.1	92.4	92.5	95.3	97.4	97.6

TOTAL NUMBER OF OBSERVATIONS 976

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: FEB HOURS: 09-11

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
39.1	39.8	39.8	39.8	39.9	39.9	39.9	39.9	40.0	40.0	40.1	40.1	40.3
40.5	50.2	50.4	50.5	50.7	50.7	50.7	50.7	50.8	50.8	50.9	50.9	51.1
50.0	50.7	50.9	51.0	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
50.0	50.7	50.9	51.0	51.2	51.2	51.2	51.2	51.3	51.3	51.4	51.4	51.6
50.2	50.9	51.2	51.3	51.5	51.5	51.5	51.5	51.6	51.6	51.7	51.7	51.9
51.3	52.0	52.4	52.5	52.7	52.7	52.7	52.7	52.8	52.8	52.9	52.9	53.1
55.0	55.2	55.5	55.6	55.8	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.3
55.1	55.8	56.1	56.3	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.9
58.0	58.2	58.6	58.8	59.0	59.0	59.0	59.0	59.1	59.1	59.2	59.2	59.4
60.3	60.2	60.7	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.6
61.1	61.1	61.6	61.9	62.1	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.5
63.0	63.1	63.6	63.9	64.1	64.1	64.1	64.1	64.2	64.2	64.3	64.3	64.5
63.0	63.4	63.9	64.2	64.5	64.5	64.5	64.5	64.7	64.7	64.8	64.8	65.0
64.4	64.4	65.1	65.4	65.7	65.7	65.7	65.7	65.8	65.8	65.9	65.9	66.1
65.0	65.1	65.7	66.0	66.3	66.3	66.4	66.4	66.5	66.5	66.6	66.6	66.8
65.0	65.8	67.4	68.2	68.5	68.5	68.6	68.6	68.8	68.8	68.9	68.9	69.1
69.0	69.3	69.9	70.9	71.2	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.7
70.0	73.8	74.7	75.9	76.3	76.3	76.4	76.4	76.5	76.5	76.7	76.7	76.9
70.1	74.1	75.0	76.2	76.7	76.7	76.8	76.8	76.9	77.0	77.2	77.2	77.4
70.2	77.0	78.0	79.3	80.1	80.1	80.6	80.9	80.9	81.0	81.1	81.1	81.4
70.5	78.5	79.6	81.1	82.0	82.0	82.9	83.1	83.2	83.3	83.4	83.4	83.6
70.8	80.1	81.9	84.2	85.1	85.1	86.4	86.6	86.7	87.1	87.2	87.3	87.5
70.5	81.3	83.4	85.9	85.9	86.9	88.2	88.4	88.5	88.9	89.0	89.1	89.3
70.2	82.2	84.3	86.9	88.0	89.0	89.7	90.4	90.5	91.2	91.3	91.4	91.6
70.4	82.5	84.9	87.9	89.0	89.0	90.9	92.0	92.1	92.8	92.9	93.0	93.2
70.2	84.1	86.6	89.8	91.4	91.4	93.5	94.7	94.8	95.5	95.6	95.7	95.9
70.2	84.1	86.6	89.9	91.7	91.7	94.1	95.5	95.7	96.5	96.6	96.7	97.0
70.2	84.1	86.7	90.1	92.2	92.3	94.8	96.3	97.0	98.1	98.2	98.3	98.6
70.2	84.1	86.7	90.1	92.4	92.5	95.3	97.3	97.5	98.6	98.7	98.8	99.1
70.2	84.1	86.7	90.1	92.4	92.5	95.3	97.3	97.5	98.6	98.7	98.9	99.2
70.2	84.1	86.7	90.1	92.4	92.5	95.3	97.4	97.6	98.9	99.0	99.2	99.7
70.2	84.1	86.7	90.1	92.4	92.5	95.3	97.4	97.6	98.9	99.0	99.5	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	39.1	40.6	40.6	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 20000	48.7	50.9	51.0	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 18000	48.9	51.0	51.2	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 16000	49.0	51.1	51.3	51.8	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 14000	49.5	51.6	51.8	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 12000	50.0	52.2	52.4	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 10000	53.6	56.2	56.5	57.0	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 9000	54.0	56.6	56.9	57.4	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 8000	55.9	58.5	59.1	59.3	60.3	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6
GE 7000	57.5	60.3	60.9	61.5	62.1	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4
GE 6000	58.4	61.3	61.9	62.5	63.1	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.4
GE 5000	59.2	62.3	63.0	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6
GE 4500	60.1	63.2	64.0	64.6	65.2	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5
GE 4000	60.5	63.9	64.6	65.2	65.1	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 3500	60.7	64.2	64.9	65.5	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7
GE 3000	63.7	67.5	68.2	69.8	70.2	70.3	70.8	70.8	70.8	70.8	70.9	71.0	71.0
GE 2500	65.6	69.4	70.2	70.9	72.4	72.6	73.3	73.3	73.3	73.4	73.5	73.5	73.5
GE 2000	68.7	72.9	73.8	75.3	76.6	77.1	77.8	77.8	77.8	78.0	78.1	78.1	78.1
GE 1800	69.1	73.4	74.5	76.1	77.7	78.0	78.7	78.7	78.7	79.0	79.1	79.1	79.1
GE 1500	71.6	76.5	77.9	80.0	81.8	82.4	83.2	83.4	83.4	84.2	84.3	84.3	84.3
GE 1200	72.2	77.1	79.1	81.7	83.8	84.8	85.8	86.1	86.1	87.0	87.3	87.3	87.3
GE 1000	73.1	78.5	81.2	84.4	87.3	89.1	91.0	91.6	91.6	92.4	92.8	92.8	93.0
GE 900	73.4	79.0	81.7	85.2	88.1	90.0	91.9	92.6	92.7	93.5	93.9	93.9	94.0
GE 800	73.4	79.2	82.0	85.5	88.5	90.5	92.4	93.3	93.4	94.3	94.7	94.7	95.0
GE 700	73.5	79.4	82.3	85.8	88.8	90.9	92.8	94.1	94.3	95.3	95.9	95.9	96.0
GE 600	73.5	79.4	82.3	85.9	89.1	91.4	93.3	95.1	95.2	96.4	97.1	97.2	97.3
GE 500	73.5	79.4	82.3	85.9	89.1	91.5	93.6	95.4	95.5	96.6	97.5	97.6	97.6
GE 400	73.5	79.4	82.3	85.9	89.1	91.6	93.7	95.7	95.8	97.1	98.2	98.3	98.3
GE 300	73.5	79.4	82.3	85.9	89.1	91.6	93.7	95.9	96.0	97.4	98.5	98.6	98.6
GE 200	73.5	79.4	82.3	85.9	89.1	91.6	93.7	95.9	96.0	97.4	98.5	98.6	98.6
GE 100	73.5	79.4	82.3	85.9	89.1	91.6	93.7	95.9	96.0	97.4	98.5	98.6	98.6
GE 000	73.5	79.4	82.3	85.9	89.1	91.6	93.7	95.9	96.0	97.4	98.6	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 974



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB MI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: FEB HOURS: 12-14

VISIBILITY IN STATUTE MILES												
CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4		0
41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
60.3	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
62.1	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
63.1	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
65.2	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
66.4	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
70.2	70.3	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
72.4	72.6	73.3	73.3	73.3	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7
75.6	77.1	77.8	77.8	77.8	78.0	78.1	78.1	78.4	78.4	78.4	78.4	78.4
77.7	78.0	78.7	78.7	78.7	79.0	79.1	79.1	79.4	79.4	79.4	79.4	79.4
81.8	82.4	83.2	83.4	83.4	84.2	84.3	84.3	84.6	84.6	84.6	84.6	84.6
83.8	84.8	85.8	86.1	86.1	87.0	87.3	87.3	87.6	87.6	87.6	87.6	87.6
87.3	89.1	91.0	91.6	91.6	92.4	92.8	92.8	93.2	93.2	93.2	93.2	93.2
88.1	90.0	91.9	92.6	92.7	93.5	93.9	93.9	94.4	94.4	94.4	94.4	94.4
88.5	90.6	92.4	93.3	93.4	94.3	94.7	94.7	95.1	95.1	95.1	95.1	95.1
88.8	90.9	92.8	94.1	94.3	95.3	95.9	95.9	96.3	96.3	96.3	96.3	96.3
89.1	91.4	93.3	95.1	95.2	96.4	97.1	97.2	97.5	97.5	97.5	97.5	97.5
89.1	91.5	93.6	95.4	95.5	96.6	97.5	97.6	98.2	98.2	98.5	98.6	98.6
89.1	91.6	93.7	95.7	95.8	97.1	98.2	98.3	98.9	98.9	99.2	99.3	99.3
89.1	91.6	93.7	95.9	96.0	97.4	98.5	98.6	99.2	99.2	99.5	99.6	99.6
89.1	91.6	93.7	95.9	96.0	97.4	98.5	98.6	99.3	99.3	99.6	99.7	99.7
89.1	91.6	93.7	95.9	96.0	97.4	98.5	98.6	99.5	99.5	99.8	99.9	99.9
89.1	91.6	93.7	95.9	96.0	97.4	98.6	98.7	99.6	99.6	99.9	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: ALL  
MONTH: FEB HOURS: 1

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	41.0	41.2	41.2	41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4
GE 20000	52.7	53.8	54.0	54.1	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4
GE 15000	53.0	54.1	54.2	54.4	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7
GE 16000	53.0	54.1	54.2	54.4	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7
GE 14000	54.0	55.1	55.2	55.3	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6
GE 12000	54.2	55.3	55.5	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9
GE 10000	58.1	59.3	59.5	59.5	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9
GE 9000	58.4	59.6	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1
GE 8000	61.1	62.5	62.7	62.9	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
GE 7000	62.2	63.8	64.1	64.4	64.8	64.8	64.9	64.9	64.9	65.2	65.2	65.2
GE 6000	63.0	65.1	65.3	65.6	66.0	66.0	66.2	66.2	66.2	66.4	66.4	66.4
GE 5000	63.8	66.0	66.3	66.6	67.0	67.0	67.3	67.3	67.3	67.5	67.5	67.5
GE 4500	64.7	67.0	67.3	67.5	67.7	67.7	68.2	68.2	68.2	68.5	68.5	68.5
GE 4000	65.2	67.5	67.8	68.1	68.5	68.5	68.8	68.8	68.8	69.0	69.0	69.0
GE 3500	65.5	68.1	68.4	68.6	69.0	69.0	69.6	69.6	69.6	69.9	69.9	69.9
GE 3000	68.5	71.5	72.1	72.3	73.0	73.0	73.8	73.8	73.8	74.2	74.2	74.2
GE 2500	71.4	74.4	75.3	76.0	76.7	76.7	77.5	77.5	77.5	77.9	78.1	78.1
GE 2000	74.1	77.1	78.2	79.7	80.7	80.8	81.9	82.2	82.2	82.6	82.7	82.7
GE 1800	74.5	77.7	78.8	80.3	81.2	81.4	82.5	82.7	82.7	83.2	83.3	83.3
GE 1500	75.8	79.5	80.8	83.8	85.5	86.0	87.1	87.7	87.7	88.4	88.5	88.5
GE 1200	76.4	80.5	82.3	86.2	88.2	88.6	90.0	90.5	90.5	91.2	91.4	91.4
GE 1000	76.4	80.7	83.2	87.1	89.5	90.0	91.6	92.2	92.2	93.0	93.3	93.3
GE 900	76.6	80.8	83.3	87.5	90.0	90.4	92.1	92.6	92.6	93.5	94.0	94.0
GE 800	76.8	81.2	83.8	88.2	91.2	91.6	93.3	94.0	94.0	94.9	95.3	95.3
GE 700	76.8	81.2	83.8	88.2	91.4	91.8	93.6	94.4	94.4	95.3	95.8	95.3
GE 600	76.8	81.2	83.8	88.2	91.5	91.9	94.2	95.1	95.1	96.6	97.0	97.3
GE 500	76.8	81.2	83.8	88.4	91.6	92.1	94.8	96.2	96.2	97.8	98.2	98.5
GE 400	76.8	81.2	83.8	88.4	91.6	92.1	95.2	96.6	96.6	98.2	98.6	98.9
GE 300	76.8	81.2	83.8	88.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5
GE 200	76.8	81.2	83.8	88.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5
GE 100	76.8	81.2	83.8	88.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5
GE 000	76.8	81.2	83.8	88.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS 730

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGR WI  
ELEVATION: + 6

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: FEB HOURS: 15-17

VISIBILITY IN STATUTE MILES												
CE	GE	GE	GE	GF	GE	GE	GF	GE	GE	GE	GE	GF
4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
41.2	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
54.1	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
54.4	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
54.4	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
55.3	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
59.5	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
64.8	64.8	64.8	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2
66.0	66.0	66.0	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4
67.0	67.0	67.0	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5
67.5	67.7	67.9	68.2	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5
68.1	68.5	68.5	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0
69.6	69.0	69.0	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9
73.3	73.0	73.0	73.8	73.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2
76.0	76.7	76.7	77.5	77.5	77.5	77.9	78.1	78.1	78.1	78.1	78.1	78.1
80.7	80.7	80.8	81.9	82.2	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7
81.2	81.2	81.4	82.5	82.7	82.7	83.2	83.3	83.3	83.3	83.3	83.3	83.3
85.6	85.6	86.0	87.1	87.7	87.7	88.4	88.5	88.5	88.5	88.5	88.5	88.5
88.2	88.2	88.6	90.0	90.5	90.5	91.2	91.4	91.4	91.4	91.4	91.4	91.4
91.1	89.6	90.0	91.6	92.2	92.2	93.0	93.3	93.3	93.3	93.3	93.6	93.6
91.5	90.0	90.4	92.1	92.6	92.6	93.6	94.0	94.0	94.0	94.0	94.2	94.2
91.2	91.2	91.6	93.3	94.0	94.0	94.9	95.3	95.3	95.3	95.3	95.6	95.6
91.2	91.4	91.8	93.6	94.4	94.4	95.3	95.8	95.8	95.8	95.8	96.0	96.0
91.2	91.5	91.9	94.2	95.1	95.1	96.6	97.0	97.3	97.3	97.3	97.5	97.5
91.4	91.6	92.1	94.8	96.2	96.2	97.8	98.2	98.5	98.5	98.5	98.8	98.8
91.4	91.6	92.1	95.2	96.6	96.6	98.2	98.6	98.9	98.9	98.9	99.2	99.2
91.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5	99.5	99.5	99.7	99.7
91.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5	99.6	99.6	99.9	99.9
91.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5	99.7	99.7	100.0	100.0
91.4	91.6	92.1	95.2	96.8	96.8	98.8	99.2	99.5	99.7	99.7	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725435

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: FEB HOURS: ALL

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	37.7	39.2	39.9	40.5	40.8	40.8	41.0	41.0	41.1	41.1	41.1	41.2
GE 20000	47.0	49.3	50.2	50.9	51.3	51.4	51.6	51.7	51.7	51.7	51.8	51.8
GE 18000	47.3	49.6	50.5	51.2	51.6	51.7	51.9	52.0	52.0	52.0	52.1	52.1
GE 16000	47.3	49.6	50.5	51.2	51.6	51.7	51.9	52.0	52.0	52.0	52.1	52.1
GE 14000	47.8	50.1	51.0	51.7	52.1	52.3	52.4	52.5	52.5	52.6	52.6	52.6
GE 12000	48.3	50.7	51.7	52.4	52.9	53.0	53.2	53.3	53.3	53.3	53.4	53.4
GE 10000	51.9	54.5	55.5	56.3	56.7	56.9	57.1	57.2	57.2	57.2	57.3	57.3
GE 9000	52.3	55.0	55.9	56.7	57.1	57.3	57.5	57.6	57.7	57.7	57.7	57.8
GE 8000	54.2	57.1	58.3	59.1	59.8	60.0	60.2	60.4	60.4	60.4	60.5	60.5
GE 7000	55.8	58.5	60.1	60.9	61.6	61.8	62.1	62.3	62.3	62.4	62.4	62.5
GE 6000	55.5	59.9	61.1	61.9	62.6	62.9	63.2	63.3	63.3	63.4	63.5	63.5
GE 5000	57.7	61.1	62.5	63.4	64.1	64.3	64.7	64.8	64.8	64.9	65.0	65.0
GE 4500	58.3	61.8	63.1	64.0	64.7	65.0	65.3	65.5	65.5	65.6	65.7	65.7
GE 4000	58.9	62.5	63.9	64.8	65.7	65.9	66.3	66.4	66.5	66.6	66.6	66.7
GE 3500	59.1	62.9	64.5	65.4	66.2	66.5	66.9	67.0	67.1	67.2	67.3	67.3
GE 3000	61.4	65.4	67.2	68.1	69.2	69.5	70.3	70.5	70.5	70.7	70.8	70.8
GE 2500	63.5	67.8	69.8	70.8	72.0	72.3	73.2	73.4	73.4	73.6	73.7	73.7
GE 2000	66.3	71.0	73.2	74.9	76.4	76.9	78.0	78.3	78.3	78.5	78.7	78.7
GE 1800	66.8	71.5	73.8	75.5	77.1	77.5	78.7	78.9	79.0	79.2	79.3	79.4
GE 1600	68.5	73.7	76.5	78.5	80.7	81.4	82.5	83.0	83.1	83.7	83.9	83.9
GE 1200	69.2	74.5	77.7	80.4	82.5	83.3	84.7	85.3	85.3	86.1	86.3	86.4
GE 1000	69.8	75.4	79.2	82.1	84.7	86.0	88.0	88.8	88.8	89.7	90.1	90.2
GE 900	70.0	75.8	79.7	82.7	85.5	87.0	89.1	89.9	89.9	91.0	91.4	91.5
GE 800	70.2	76.2	80.1	83.4	86.3	87.9	90.1	91.0	91.1	92.2	92.9	92.9
GE 700	70.2	76.3	80.3	83.6	86.7	88.4	90.7	91.7	91.9	93.2	94.1	94.2
GE 600	70.5	76.5	80.5	84.0	87.4	89.2	91.5	93.2	93.3	94.9	95.8	95.9
GE 500	70.5	76.6	80.6	84.0	87.4	89.3	92.2	93.8	93.9	95.7	96.7	96.9
GE 400	70.5	76.6	80.6	84.0	87.4	89.4	92.4	94.2	94.3	96.1	97.5	97.7
GE 300	70.5	76.6	80.6	84.0	87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.1
GE 200	70.5	76.6	80.6	84.0	87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.1
GE 100	70.5	76.6	80.6	84.0	87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.2
GE 000	70.5	76.6	80.6	84.0	87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.2

TOTAL NUMBER OF OBSERVATIONS 3134

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANG3 MI  
ELEVATION: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: FEB HOURS: ALL

VISIBILITY IN STATUTE MILES												
CEILING 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
40.8	40.8	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.3	
51.3	51.4	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	
51.6	51.7	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.3	
51.6	51.7	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.3	
52.1	52.3	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.7	52.8	
52.9	53.0	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.6	
56.7	56.9	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.5	
57.1	57.3	57.5	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.9	
59.8	60.0	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.7	
61.6	61.8	62.1	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.6	
62.6	62.7	63.2	63.3	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.7	
64.1	64.3	64.7	64.8	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.2	
64.7	65.0	65.3	65.5	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.9	
65.7	65.9	66.3	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.8	
66.2	66.5	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.4	67.4	67.5	
69.2	69.5	70.3	70.5	70.5	70.7	70.8	70.8	70.8	70.9	70.9	71.0	
72.0	72.3	73.2	73.4	73.4	73.6	73.7	73.7	73.7	73.9	73.9	74.0	
75.4	75.9	77.0	77.3	77.3	77.5	77.7	77.7	77.7	77.9	77.9	78.0	
77.1	77.5	78.7	78.9	79.0	79.2	79.3	79.4	79.5	79.5	79.5	79.6	
80.7	81.4	82.5	83.0	83.1	83.7	83.9	83.9	84.0	84.1	84.1	84.2	
82.5	83.3	84.7	85.3	85.3	86.1	86.3	86.4	86.5	86.6	86.6	86.7	
84.7	86.0	88.0	88.8	88.8	89.7	90.1	90.2	90.5	90.6	90.7	90.8	
85.5	87.0	89.1	89.9	89.9	91.0	91.4	91.5	91.9	91.9	92.1	92.2	
86.3	87.7	90.1	91.0	91.1	92.2	92.9	92.9	93.4	93.4	93.5	93.7	
86.7	88.4	90.7	91.9	91.9	93.2	94.1	94.2	94.6	94.7	94.8	94.9	
87.4	89.2	91.5	93.2	93.3	94.9	95.8	95.9	96.4	96.5	96.6	96.7	
87.4	89.3	92.2	93.8	93.9	95.7	96.7	96.9	97.5	97.5	97.8	97.9	
87.4	89.4	92.4	94.2	94.3	96.1	97.5	97.7	98.3	98.4	98.6	98.8	
87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.1	98.9	99.0	99.3	99.5	
87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.1	99.0	99.1	99.4	99.6	
87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.2	99.2	99.3	99.6	99.8	
87.4	89.4	92.4	94.4	94.4	96.6	98.0	98.2	99.3	99.3	99.8	100.0	

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAR HOURS: 05-09

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	36.7	37.7	38.4	38.9	38.9	38.9	39.4	39.7	39.7	39.9	40.5	40.5	41.0
GE 20000	43.7	44.7	45.7	46.2	46.2	46.2	46.7	47.0	47.0	47.2	47.7	47.7	48.2
GE 18000	44.2	45.2	46.2	46.7	46.7	46.7	47.2	47.5	47.5	47.7	48.2	48.2	48.7
GE 16000	44.2	45.2	46.2	46.7	46.7	46.7	47.2	47.5	47.5	47.7	48.2	48.2	48.7
GE 14000	44.5	45.5	46.5	47.0	47.0	47.0	47.5	47.7	47.7	48.0	48.5	48.5	49.0
GE 12000	45.2	46.2	47.5	48.0	48.0	48.0	48.5	48.7	48.7	49.0	49.5	49.5	50.0
GE 10000	47.7	48.7	50.0	50.5	50.5	50.5	51.0	51.3	51.3	51.5	52.0	52.0	52.5
GE 9000	48.2	49.5	50.8	51.3	51.5	51.5	52.0	52.3	52.3	52.5	53.0	53.0	53.5
GE 8000	49.2	50.5	51.8	52.3	52.5	52.5	53.0	53.3	53.3	53.5	54.3	54.3	54.8
GE 7000	50.3	51.5	52.8	53.3	53.5	53.5	54.3	54.5	54.5	55.0	55.5	55.5	56.0
GE 6000	52.0	53.3	54.3	55.3	55.8	55.8	56.3	56.5	56.5	57.0	57.5	57.5	58.0
GE 5000	52.5	54.0	55.5	56.0	56.5	56.5	57.0	57.3	57.3	57.8	58.3	58.3	58.8
GE 4500	54.0	55.5	57.0	57.5	58.0	58.0	58.5	58.8	58.8	59.3	59.8	59.8	60.3
GE 4000	54.8	56.3	57.8	58.3	58.8	58.8	59.8	60.1	60.1	60.6	61.1	61.1	61.6
GE 3500	56.0	57.4	59.3	59.8	60.3	60.3	61.3	61.6	61.6	62.1	62.6	62.6	63.1
GE 3000	57.8	59.5	61.1	61.6	62.3	62.3	63.3	63.6	63.6	64.1	64.6	64.6	65.1
GE 2500	60.6	62.4	64.3	64.8	65.6	65.6	66.6	66.8	66.8	67.3	67.8	67.8	68.3
GE 2000	62.4	64.5	67.1	67.4	69.1	69.1	70.4	70.6	70.6	71.1	71.6	71.6	72.1
GE 1800	63.3	66.1	67.6	68.3	69.6	69.6	70.9	71.1	71.1	71.6	72.1	72.1	72.6
GE 1500	67.3	70.4	71.9	72.9	74.4	74.4	75.9	76.4	76.4	77.1	77.6	77.6	78.1
GE 1200	68.6	71.9	73.6	75.1	76.9	76.9	78.6	79.1	79.1	79.9	80.4	80.4	80.9
GE 1000	69.6	73.1	75.4	76.4	81.2	81.2	82.9	83.4	83.7	84.7	85.4	85.4	85.9
GE 900	69.6	73.6	76.9	79.1	81.9	81.9	83.9	84.7	84.9	85.9	86.9	86.9	87.4
GE 800	70.4	74.4	77.9	80.4	83.2	83.2	85.2	86.2	86.4	87.7	88.9	88.9	89.4
GE 700	70.6	74.6	78.1	80.7	83.4	83.4	85.4	86.9	87.2	88.7	89.9	89.9	90.5
GE 600	70.6	74.6	78.6	81.4	84.7	84.7	86.9	88.4	88.7	90.5	92.0	92.0	92.5
GE 500	70.9	74.9	78.9	81.9	85.2	85.2	87.7	89.4	89.7	91.5	93.2	93.2	93.7
GE 400	70.9	74.9	78.9	81.9	85.2	85.4	88.2	90.2	90.5	92.2	94.0	94.0	94.5
GE 300	70.9	74.9	78.9	81.9	85.2	85.4	88.4	91.2	92.0	94.5	96.2	96.2	96.7
GE 200	70.9	74.9	78.9	81.9	85.4	85.7	88.7	91.5	92.2	94.7	96.5	96.5	97.0
GE 100	70.9	74.9	78.9	81.9	85.4	85.7	88.7	91.5	92.2	95.0	96.7	96.7	97.2
GE 000	70.9	74.9	78.9	81.9	85.4	85.7	88.7	91.5	92.2	95.0	96.7	96.7	97.2

TOTAL NUMBER OF OBSERVATIONS 398

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AME: VOLK FLD ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: MAR HOURS: 06-08

VISIBILITY IN STATUTE MILES											
SE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
33.9	33.9	39.4	39.7	39.7	39.9	40.5	40.5	41.0	41.0	41.0	41.0
43.2	46.2	46.7	47.0	47.0	47.2	47.7	47.7	48.2	48.2	48.2	48.2
45.7	46.7	47.2	47.5	47.5	47.7	48.2	48.2	48.7	48.7	48.7	48.7
45.7	46.7	47.2	47.5	47.5	47.7	48.2	48.2	48.7	48.7	48.7	48.7
47.0	47.0	47.5	47.7	47.7	48.0	48.5	48.5	49.0	49.0	49.0	49.0
48.0	48.0	48.5	48.7	48.7	49.0	49.5	49.5	50.0	50.0	50.0	50.0
50.5	50.5	51.0	51.3	51.3	51.5	52.0	52.0	52.5	52.5	52.5	52.5
51.5	51.5	52.0	52.3	52.3	52.5	53.0	53.0	53.5	53.5	53.5	53.5
52.5	52.5	53.0	53.3	53.3	53.5	54.0	54.0	54.5	54.5	54.5	54.5
53.8	53.8	54.3	54.5	54.5	55.0	55.5	55.5	56.0	56.0	56.0	56.0
55.3	55.3	55.3	56.5	56.5	57.0	57.5	57.5	58.0	58.0	58.0	58.0
58.5	58.5	59.0	59.3	59.3	59.5	59.8	59.8	60.3	60.3	60.3	60.3
58.0	58.0	58.5	58.8	58.8	59.3	59.8	59.8	60.3	60.3	60.3	60.3
59.2	59.2	59.8	60.1	60.1	60.5	61.1	61.1	61.6	61.6	61.6	61.6
60.3	60.3	61.3	61.5	61.5	62.1	62.6	62.6	63.1	63.1	63.1	63.1
62.3	62.3	63.3	63.6	63.6	64.1	64.6	64.6	65.1	65.1	65.1	65.1
65.6	65.6	66.6	66.8	66.8	67.3	67.8	67.8	68.3	68.3	68.3	68.3
69.1	69.1	70.4	70.6	70.6	71.1	71.6	71.6	72.1	72.1	72.1	72.1
69.5	69.5	70.9	71.1	71.1	71.6	72.1	72.1	72.6	72.6	72.6	72.6
74.4	74.4	75.9	76.4	76.4	77.1	77.6	77.6	78.1	78.1	78.1	78.1
75.9	75.9	76.6	77.1	77.1	77.9	80.4	80.4	80.9	80.9	80.9	80.9
81.2	81.2	82.9	83.4	83.7	84.7	85.4	85.4	85.9	85.9	85.9	85.9
81.9	81.9	83.9	84.7	84.9	85.9	86.9	86.9	87.4	87.4	87.4	87.4
83.2	83.2	85.2	86.2	86.4	87.7	88.9	88.9	89.4	89.4	89.4	89.4
83.4	83.4	85.4	86.9	87.2	88.7	89.9	89.9	90.5	90.5	90.5	90.5
84.7	84.7	86.9	88.4	88.7	90.5	92.0	92.0	92.5	92.5	92.5	92.5
85.2	85.2	87.7	89.4	89.7	91.5	93.2	93.2	93.7	93.7	94.2	94.2
85.2	85.4	88.2	90.2	90.5	92.2	94.0	94.0	94.7	94.7	95.5	95.5
85.2	85.4	88.4	91.2	92.0	94.5	96.2	96.2	97.0	97.0	98.0	98.0
85.4	85.7	88.7	91.5	92.2	94.7	96.5	96.5	97.5	97.5	98.7	98.7
85.4	85.7	88.7	91.5	92.2	95.0	96.7	96.7	97.7	97.7	99.5	100.0
85.4	85.7	88.7	91.5	92.2	95.0	96.7	96.7	97.7	97.7	99.5	100.0

OPERATING LOCATION WAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: MAR HOURS: 09

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	39.5	40.4	40.9	41.3	41.4	41.6	41.7	41.7	41.7	41.7	41.8	41.8
GE 20000	46.9	48.1	48.6	49.0	49.2	49.4	49.6	49.6	49.6	49.6	49.7	49.7
GE 18000	47.1	48.3	48.8	49.2	49.4	49.6	49.8	49.8	49.8	49.8	49.9	49.9
GE 16000	47.1	48.3	48.8	49.2	49.4	49.6	49.8	49.8	49.8	49.8	49.9	49.9
GE 14000	47.7	48.9	49.4	49.8	50.0	50.2	50.4	50.4	50.4	50.4	50.5	50.5
GE 12000	49.4	50.9	51.4	51.8	52.0	52.1	52.3	52.3	52.3	52.3	52.4	52.4
GE 10000	52.1	53.5	54.3	54.7	54.9	55.1	55.3	55.3	55.3	55.3	55.4	55.4
GE 9000	52.7	54.3	55.1	55.5	55.7	55.9	56.1	56.1	56.1	56.1	56.2	56.2
GE 8000	53.7	55.4	56.2	56.5	56.8	57.0	57.2	57.2	57.2	57.3	57.4	57.4
GE 7000	54.4	56.1	56.9	57.3	57.6	57.8	58.0	58.0	58.0	58.1	58.2	58.2
GE 6000	55.2	56.8	57.7	58.1	58.4	58.6	58.8	58.8	58.8	58.9	59.0	59.0
GE 5000	56.1	57.8	58.3	59.2	59.5	59.7	59.9	59.9	59.9	60.0	60.1	60.1
GE 4500	57.6	59.5	60.4	60.8	61.1	61.3	61.5	61.5	61.5	61.6	61.7	61.7
GE 4000	58.2	60.1	61.0	61.5	61.8	62.0	62.5	62.5	62.5	62.6	62.7	62.7
GE 3500	59.3	61.1	62.1	62.6	62.9	63.1	63.6	63.6	63.6	63.7	63.8	63.8
GE 3000	61.2	63.2	64.2	64.7	65.1	65.3	65.9	65.9	65.9	66.0	66.1	66.1
GE 2500	65.4	67.6	68.8	69.5	70.0	70.2	70.8	70.8	70.8	70.9	71.0	71.0
GE 2000	69.0	71.7	73.0	74.0	74.6	74.8	75.4	75.4	75.4	75.5	75.6	75.6
GE 1800	69.5	72.2	73.6	74.6	75.2	75.4	76.0	76.0	76.0	76.1	76.2	76.2
GE 1500	72.7	75.6	77.1	78.3	79.0	79.4	80.1	80.2	80.2	80.3	80.5	80.5
GE 1200	73.6	76.7	78.5	80.4	81.9	82.3	83.0	83.1	83.1	83.2	83.5	83.5
GE 1000	74.5	77.7	80.1	82.5	84.8	85.4	86.1	86.2	86.2	86.4	86.9	86.9
GE 900	74.9	78.3	81.0	83.7	85.9	86.8	87.7	87.8	87.8	88.0	88.6	88.7
GE 800	75.4	78.8	81.6	84.4	86.8	87.6	88.8	88.9	88.9	89.2	89.9	90.0
GE 700	75.8	79.2	82.1	85.4	88.1	89.1	90.1	90.4	90.4	90.8	91.7	91.8
GE 600	76.0	79.4	82.6	85.1	88.2	90.2	91.5	91.9	91.9	92.5	93.4	93.7
GE 500	76.2	79.7	83.3	86.2	90.0	91.3	92.9	93.4	93.5	94.4	95.3	95.6
GE 400	76.3	79.8	83.4	87.0	90.1	91.4	93.2	93.8	93.9	95.0	96.0	96.3
GE 300	76.3	79.8	83.4	87.1	90.2	91.5	93.5	94.1	94.3	95.5	97.1	97.5
GE 200	76.3	79.8	83.4	87.1	90.2	91.5	93.5	94.1	94.3	95.5	97.2	97.7
GE 100	76.3	79.8	83.4	87.1	90.2	91.5	93.5	94.1	94.3	95.6	97.3	97.8
GE 000	76.3	79.8	83.4	87.1	90.2	91.5	93.5	94.1	94.3	95.6	97.3	97.8

TOTAL NUMBER OF OBSERVATIONS 1024



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
CS: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR HOURS: 09-11

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
41.4	41.6	41.7	41.7	41.7	41.7	41.8	41.8	41.6	41.8	41.9	41.9
49.2	49.4	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.6	49.6
49.4	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.0
49.4	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.0
50.0	50.2	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6
52.0	52.1	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.5
54.2	55.1	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.5	55.5
55.7	55.9	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3
56.8	57.0	57.2	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.5	57.5
57.6	57.8	58.0	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3
58.4	58.6	58.8	58.8	58.8	58.9	59.0	59.0	59.0	59.0	59.1	59.1
59.5	59.7	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.2	60.2
61.1	61.3	61.5	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8
61.8	62.0	62.5	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.8	62.8
62.9	63.1	63.6	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.9	63.9
65.1	65.3	65.9	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.2
70.0	70.2	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.1
74.5	74.8	75.4	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.7
75.2	75.4	76.0	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.3	76.3
79.0	79.4	80.1	80.2	80.2	80.3	80.5	80.5	80.5	80.5	80.6	80.6
81.9	82.3	83.0	83.1	83.1	83.2	83.5	83.5	83.5	83.5	83.6	83.6
84.8	85.4	86.1	86.2	86.2	86.4	86.9	86.9	87.0	87.0	87.1	87.1
88.9	89.4	89.7	89.8	89.8	89.9	90.0	90.0	90.2	90.2	90.3	90.3
89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.2	90.2	90.3	90.3
91.1	91.1	91.1	91.4	91.4	91.8	91.7	91.8	92.0	92.0	92.1	92.1
92.2	92.2	92.2	92.5	92.5	92.5	93.4	93.7	94.0	94.0	94.1	94.1
90.0	91.3	92.9	93.4	93.5	94.4	95.3	95.6	96.4	96.4	96.5	96.5
90.1	91.4	93.2	93.6	93.9	95.0	96.0	96.3	97.1	97.1	97.4	97.4
90.2	91.5	93.5	94.1	94.3	95.5	97.1	97.5	98.2	98.2	98.5	98.5
90.2	91.5	93.5	94.1	94.3	95.6	97.2	97.7	98.4	98.4	98.9	98.9
90.2	91.5	93.5	94.1	94.3	95.6	97.3	97.8	98.8	98.8	99.7	99.9
90.2	91.5	93.5	94.1	94.3	95.6	97.3	97.8	98.8	98.8	99.8	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: MAR HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	41.4	42.3	42.7	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	4
GE 20000	51.2	52.0	52.7	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	5
GE 18000	51.3	52.1	52.8	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	5
GE 16000	51.3	52.1	52.8	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	5
GE 14000	51.4	52.2	52.9	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	5
GE 12000	52.5	53.4	54.1	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	5
GE 10000	54.7	55.6	56.4	56.9	57.0	57.0	57.2	57.3	57.3	57.3	57.3	57.3	5
GE 9000	55.1	56.0	56.8	57.3	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	5
GE 8000	56.4	57.4	58.2	58.7	59.1	59.1	59.3	59.4	59.4	59.4	59.4	59.4	5
GE 7000	57.3	58.3	59.1	59.6	60.0	60.0	60.2	60.3	60.3	60.3	60.3	60.3	5
GE 6000	57.3	58.9	59.7	60.2	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	5
GE 5000	58.0	59.1	60.0	60.5	60.9	60.9	61.1	61.2	61.2	61.2	61.2	61.2	6
GE 4500	59.1	60.3	61.1	61.7	62.1	62.1	62.3	62.4	62.4	62.4	62.4	62.4	6
GE 4000	61.4	62.7	63.6	64.2	64.6	64.6	64.8	64.9	64.9	65.0	65.0	65.0	6
GE 3500	63.7	65.0	66.0	66.5	67.1	67.3	67.5	67.6	67.6	67.7	67.7	67.7	6
GE 3000	67.1	68.6	69.5	70.5	71.2	71.4	71.6	71.7	71.7	71.8	71.8	71.8	7
GE 2500	70.7	72.1	73.1	74.2	74.9	75.0	75.2	75.3	75.3	75.4	75.4	75.4	7
GE 2000	74.1	75.9	76.9	78.2	78.9	79.2	79.4	79.5	79.5	79.6	79.6	79.6	7
GE 1800	75.2	77.1	78.1	79.5	80.3	80.6	80.8	80.9	80.9	80.9	80.9	80.9	7
GE 1500	78.1	80.3	81.4	83.1	84.4	84.8	85.0	85.1	85.1	85.2	85.3	85.3	8
GE 1200	78.8	81.1	82.5	85.0	86.4	86.9	87.2	87.0	87.0	87.1	87.2	87.2	8
GE 1000	79.5	81.9	83.4	86.3	88.0	88.7	89.1	89.4	89.4	89.6	90.2	90.2	9
GE 900	79.6	82.0	83.7	86.7	88.5	89.2	89.6	89.9	89.7	90.1	90.6	90.8	9
GE 800	79.8	82.4	84.4	87.5	89.6	90.2	90.7	91.3	91.3	91.8	92.6	92.6	9
GE 700	80.1	82.8	85.0	88.6	90.7	91.5	92.0	92.6	92.6	93.0	93.9	93.9	9
GE 600	80.4	83.1	85.4	89.2	91.4	92.3	92.9	93.5	93.6	94.3	95.2	95.2	9
GE 500	80.7	83.5	86.2	90.3	92.6	93.4	94.4	95.2	95.4	96.0	97.2	97.2	9
GE 400	80.7	83.5	86.2	90.3	92.6	93.4	94.4	95.4	95.6	96.6	97.8	97.8	9
GE 300	80.7	83.5	86.2	90.3	92.6	93.4	94.7	95.6	95.9	97.3	98.5	98.6	9
GE 200	80.7	83.5	86.2	90.3	92.6	93.4	94.7	95.7	96.0	97.4	98.5	98.7	9
GE 100	80.7	83.5	86.2	90.3	92.6	93.4	94.7	95.7	96.0	97.4	98.5	98.7	9
GE 000	80.7	83.5	86.2	90.3	92.6	93.4	94.7	95.7	96.0	97.4	98.5	98.7	9

TOTAL NUMBER OF OBSERVATIONS 1034

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGE WI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 78  
MONTH: MAR HOURS: 12-14

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
57.0	57.0	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
57.3	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
59.1	59.1	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
60.0	60.0	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
60.2	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
60.9	60.9	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
61.7	62.1	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
64.2	64.6	64.6	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66.6	67.1	67.3	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
71.5	71.2	71.4	71.5	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
74.2	74.9	75.0	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
75.2	75.9	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
80.5	80.3	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
83.1	84.4	84.8	85.0	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
86.0	86.4	86.8	86.9	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2
88.3	88.0	88.7	89.1	89.4	89.4	89.6	90.2	90.2	90.2	90.2	90.2	90.2
89.7	89.5	89.2	89.6	89.9	89.9	90.1	90.5	90.8	90.8	90.8	90.8	90.8
91.6	89.6	90.2	90.7	91.3	91.3	91.8	92.6	92.6	92.6	92.6	92.6	92.6
92.6	90.7	91.5	92.0	92.6	92.6	93.0	93.9	93.9	93.9	93.9	93.9	93.9
93.2	91.4	92.3	92.9	93.6	93.8	94.3	95.2	95.2	95.2	95.2	95.2	95.2
96.3	92.6	93.4	94.4	95.2	95.4	96.0	97.2	97.2	97.4	97.4	97.4	97.4
96.3	92.6	93.4	94.4	95.4	95.6	96.6	97.8	97.8	98.0	98.0	98.0	98.0
96.3	92.6	93.4	94.7	95.6	95.9	97.3	98.5	98.6	98.8	98.8	98.8	98.8
96.3	92.6	93.4	94.7	95.7	96.0	97.4	98.5	98.7	99.1	99.2	99.3	99.3
96.3	92.6	93.4	94.7	95.7	96.0	97.4	98.5	98.7	99.2	99.4	99.9	99.9
96.3	92.6	93.4	94.7	95.7	96.0	97.4	98.5	98.7	99.2	99.4	99.9	100.0

OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEH  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD  
MONTH: MAR

CEILING IN FEET	VISIBILITY IN STATUTE MILES										
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4
NO CEIL	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 20000	53.1	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 18000	53.2	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 16000	53.2	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 14000	53.4	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 12000	54.3	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 10000	56.2	57.1	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 9000	56.4	57.2	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 8000	57.8	58.7	59.5	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 7000	59.0	60.1	61.0	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	59.5	60.5	61.4	61.6	61.9	61.9	61.9	61.9	62.0	62.0	62.0
GE 5000	60.2	61.3	62.2	62.3	62.6	62.6	62.6	62.6	62.8	62.8	62.8
GE 4500	61.0	62.0	62.9	63.1	63.4	63.4	63.4	63.4	63.5	63.5	63.5
GE 4000	63.5	64.7	65.8	65.9	66.2	66.2	66.2	66.2	66.4	66.4	66.4
GE 3500	65.5	66.8	67.9	68.5	68.8	68.8	68.8	68.8	68.9	68.9	68.9
GE 3000	70.3	71.6	72.8	73.5	74.0	74.0	74.0	74.0	74.1	74.1	74.1
GE 2500	74.4	75.8	77.1	77.9	78.3	78.5	78.5	78.5	78.8	78.8	78.8
GE 2000	77.1	79.2	80.7	81.9	82.4	82.5	82.7	82.7	83.0	83.0	83.1
GE 1800	78.0	80.1	81.6	82.8	83.3	83.4	83.6	83.6	83.9	83.9	84.0
GE 1500	80.3	82.7	84.5	85.9	86.5	86.7	87.0	87.3	87.6	87.9	88.0
GE 1200	80.6	83.3	85.4	87.1	88.2	88.3	88.8	89.1	89.4	89.7	89.8
GE 1000	81.2	83.9	86.1	87.9	88.9	89.1	89.5	90.0	90.4	90.7	91.2
GE 900	81.3	84.2	86.8	88.6	89.7	89.8	90.7	91.2	91.5	91.9	92.2
GE 800	81.6	84.5	87.3	89.2	90.6	90.7	91.6	92.1	92.5	93.1	93.4
GE 700	81.6	84.5	87.3	89.4	90.7	90.9	92.2	92.7	93.1	94.2	94.6
GE 600	81.8	84.8	87.6	90.1	91.5	91.8	93.1	93.9	94.3	95.4	95.8
GE 500	81.8	84.8	87.6	90.1	91.8	92.1	93.7	94.5	94.9	96.0	96.7
GE 400	81.8	84.8	87.6	90.1	91.8	92.1	93.7	94.6	95.1	96.4	97.2
GE 300	81.8	84.8	87.6	90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.4
GE 200	81.8	84.8	87.6	90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.5
GE 100	81.8	84.8	87.6	90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.5

TOTAL NUMBER OF OBSERVATIONS 669

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR HOURS: 15-17

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
61.6	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
62.3	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
63.1	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
65.9	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
68.5	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
73.5	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
77.2	78.3	78.5	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
81.9	82.4	82.5	82.7	82.7	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1
82.4	83.3	83.4	83.5	83.6	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
85.9	86.5	86.7	87.0	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0
87.1	88.2	88.3	88.8	89.1	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8
87.2	88.9	89.1	90.0	90.4	90.7	91.2	91.5	91.5	91.5	91.5	91.5	91.5
88.5	89.7	89.8	90.7	91.2	91.5	91.9	92.2	92.2	92.2	92.2	92.2	92.2
89.2	90.6	90.7	91.5	92.1	92.5	93.1	93.4	93.4	93.4	93.4	93.4	93.4
89.4	90.7	90.9	92.2	92.7	93.1	94.2	94.6	94.8	94.8	94.9	94.9	94.9
90.1	91.5	91.8	93.1	93.9	94.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8
90.1	91.8	92.1	93.7	94.5	94.9	96.0	96.7	96.9	97.0	97.2	97.2	97.2
90.1	91.8	92.1	93.7	94.6	95.1	96.4	97.2	97.3	97.5	97.5	97.5	97.5
90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.4	98.5	99.1	99.3	99.3	99.3
90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.5	98.7	99.4	99.5	99.6	99.7
90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.5	98.7	99.4	99.6	99.7	100.0
90.1	91.8	92.1	94.2	95.1	95.7	97.5	98.5	98.7	99.4	99.6	99.9	100.0

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: MAR HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	40.2	41.3	42.2	42.4	42.5	42.5	42.7	42.7	42.7	42.8	42.8	42.
GE 20000	49.2	50.1	50.8	51.1	51.1	51.2	51.4	51.4	51.4	51.5	51.6	51.
GE 18000	49.4	50.3	50.9	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.7	51.
GE 16000	49.4	50.3	50.9	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.7	51.
GE 14000	49.7	50.6	51.2	51.6	51.6	51.7	51.9	51.9	51.9	51.9	52.0	52.
GE 12000	50.9	51.9	52.6	52.9	53.0	53.0	53.2	53.2	53.2	53.3	53.4	53.
GE 10000	53.3	54.4	55.2	55.6	55.7	55.7	55.9	56.0	56.0	56.0	56.1	56.
GE 9000	53.7	54.9	55.7	56.1	56.2	56.3	56.5	56.5	56.5	56.6	56.7	56.
GE 8000	54.9	56.2	57.0	57.4	57.7	57.8	58.0	58.0	58.0	58.1	58.2	58.
GE 7000	55.8	57.1	58.0	58.4	58.7	58.8	59.0	59.0	59.0	59.1	59.2	59.
GE 6000	56.6	57.9	58.6	59.2	59.5	59.6	59.8	59.8	59.9	60.0	60.1	60.
GE 5000	57.2	58.5	59.5	59.9	60.3	60.3	60.5	60.6	60.6	60.7	60.8	60.
GE 4500	58.4	59.8	60.8	61.2	61.5	61.5	61.7	61.9	61.9	62.0	62.1	62.
GE 4000	60.0	61.4	62.5	62.9	63.3	63.4	63.7	63.8	63.8	63.9	64.0	64.
GE 3500	61.7	63.2	64.3	64.6	65.2	65.3	65.7	65.8	65.8	65.9	66.0	66.
GE 3000	64.7	66.3	67.4	68.1	68.7	68.8	69.2	69.2	69.3	69.4	69.5	69.
GE 2500	68.5	70.2	71.4	72.3	72.3	73.0	73.4	73.4	73.5	73.6	73.7	73.
GE 2000	71.5	73.9	75.2	76.3	77.0	77.2	77.6	77.7	77.8	77.9	78.0	78.
GE 1800	72.4	74.7	76.1	77.2	77.9	78.1	78.5	78.6	78.7	78.8	78.9	78.
GE 1500	75.4	78.0	79.5	80.8	81.3	82.1	82.7	82.8	82.9	83.1	83.3	83.
GE 1200	76.2	78.9	80.7	82.7	84.1	84.4	85.0	85.2	85.2	85.5	85.7	85.
GE 1000	77.0	79.6	82.0	84.4	86.3	86.7	87.5	87.8	87.9	88.3	88.8	88.
GE 900	77.2	80.2	82.6	85.2	87.1	87.6	88.5	88.8	88.9	89.3	89.9	89.
GE 800	77.5	80.5	83.3	86.0	88.1	88.6	89.6	90.0	90.1	90.7	91.4	91.
GE 700	77.8	80.9	83.7	86.7	88.9	89.5	90.6	91.2	91.3	92.0	92.8	92.
GE 600	78.0	81.2	84.1	87.4	89.8	90.5	91.8	92.4	92.6	93.4	94.3	94.
GE 500	78.2	81.4	84.5	88.1	90.6	91.4	92.9	93.7	93.9	94.9	96.0	96.
GE 400	78.2	81.4	84.6	88.1	90.7	91.5	93.1	94.0	94.3	95.5	96.6	96.
GE 300	78.2	81.4	84.6	88.2	90.7	91.5	93.4	94.5	94.8	96.4	97.7	97.
GE 200	78.2	81.4	84.6	88.2	90.7	91.5	93.4	94.5	94.9	96.5	97.8	98.
GE 100	78.2	81.4	84.6	88.2	90.7	91.5	93.4	94.5	94.9	96.5	97.9	98.
GE 000	78.2	81.4	84.6	88.2	90.7	91.5	93.4	94.5	94.9	96.5	97.9	98.

TOTAL NUMBER OF OBSERVATIONS 3125

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
ST TT UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: MAR HOURS: ALL

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
42.4	42.5	42.5	42.7	42.7	42.7	42.8	42.8	42.8	42.9	42.9	42.9	42.9
51.1	51.1	51.2	51.4	51.4	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6
51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8
51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8
51.6	51.6	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.1	52.1	52.1	52.1
52.9	53.0	53.0	53.2	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.5
55.6	55.7	55.7	55.9	56.0	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.2
56.1	56.2	56.3	56.5	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7
57.4	57.7	57.8	58.0	58.0	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3
58.4	58.7	58.8	59.0	59.0	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.3
59.2	59.5	59.6	59.8	59.8	59.9	60.0	60.1	60.1	60.1	60.1	60.2	60.2
60.9	60.3	60.3	60.5	60.6	60.6	60.7	60.8	60.8	60.9	60.9	60.9	60.9
61.2	61.5	61.5	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.2	62.2
62.9	63.3	63.4	63.7	63.8	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.1
64.5	65.2	65.3	65.7	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.1
69.1	69.7	69.8	69.2	69.2	69.3	69.4	69.5	69.5	69.6	69.6	69.6	69.6
72.3	72.3	73.0	73.4	73.4	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.8
76.3	77.0	77.2	77.6	77.7	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.1
77.2	77.9	78.1	78.5	78.6	78.7	78.8	78.9	78.9	79.0	79.0	79.0	79.0
80.4	81.3	82.1	82.7	82.8	82.9	83.1	83.3	83.3	83.4	83.4	83.4	83.4
82.7	84.1	84.4	85.0	85.2	85.2	85.5	85.7	85.7	85.8	85.8	85.8	85.8
84.4	86.3	86.7	87.5	87.8	87.9	88.3	88.6	88.8	88.9	88.9	88.9	88.9
89.2	87.1	87.6	88.5	88.8	88.9	89.3	89.9	89.9	90.0	90.0	90.0	90.0
86.0	88.1	88.6	89.6	90.0	90.1	90.7	91.4	91.5	91.6	91.6	91.6	91.6
86.7	88.9	89.5	90.6	91.2	91.3	92.0	92.8	92.9	93.0	93.1	93.1	93.1
87.4	89.8	90.5	91.5	92.4	92.6	93.4	94.3	94.4	94.6	94.7	94.7	94.7
88.1	90.6	91.4	92.9	93.7	93.9	94.9	96.0	96.1	96.5	96.5	96.6	96.6
88.1	90.7	91.5	93.1	94.0	94.3	95.5	96.6	96.7	97.2	97.2	97.4	97.4
89.2	90.7	91.5	93.4	94.5	94.8	96.4	97.7	97.9	98.5	98.5	98.7	98.7
89.2	90.7	91.5	93.4	94.5	94.9	96.5	97.8	98.1	98.8	98.8	99.2	99.2
89.2	90.7	91.5	93.4	94.5	94.9	96.5	97.9	98.1	98.9	99.0	99.3	99.9
88.2	90.7	91.5	93.4	94.5	94.9	96.5	97.9	98.1	98.9	99.0	99.3	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: 30  
MONTH: APR HOURS: 0

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	44.6	46.0	46.4	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 20000	49.9	51.3	51.7	51.7	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 18000	50.3	51.7	52.2	52.2	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 16000	50.3	51.7	52.2	52.2	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 14000	51.0	52.4	52.9	52.9	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 12000	53.3	54.7	55.2	55.2	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 10000	57.3	58.7	59.4	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	57.5	59.1	59.5	59.5	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 8000	61.2	63.3	64.0	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	61.7	63.7	64.4	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000	63.5	65.8	66.5	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 5000	64.0	66.3	67.2	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4500	64.7	67.0	67.9	68.4	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	67.2	69.5	70.7	71.1	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 3500	67.7	70.2	71.4	71.9	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3000	69.7	73.2	74.4	74.9	75.3	75.4	75.8	75.8	75.8	75.8	75.8	75.8
GE 2500	70.2	73.9	75.3	75.8	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 2000	72.3	76.2	77.3	78.3	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 1800	72.7	76.7	78.3	79.5	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 1500	74.4	78.8	80.6	81.1	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1200	75.5	79.9	81.6	83.6	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1000	76.0	80.6	82.7	85.0	86.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 900	76.2	80.8	83.1	85.7	87.1	88.2	88.7	88.7	88.7	88.7	88.7	88.7
GE 800	76.7	81.5	84.1	86.6	88.5	89.8	90.3	90.5	90.5	90.5	91.0	91.0
GE 700	76.7	81.8	84.5	87.1	88.9	90.3	90.8	91.0	91.0	91.5	91.7	91.7
GE 600	76.7	81.8	84.5	87.1	88.8	91.2	92.1	92.4	92.4	92.4	93.3	93.3
GE 500	76.9	82.0	84.8	87.5	91.5	93.3	94.2	94.5	94.7	95.2	96.1	96.3
GE 400	76.9	82.0	84.8	87.5	91.5	93.3	94.5	94.7	94.9	95.4	96.3	96.5
GE 300	76.9	82.0	84.8	87.5	91.5	93.3	94.5	94.7	94.9	96.1	97.2	97.5
GE 200	76.9	82.0	84.8	87.5	91.5	93.3	94.5	94.7	94.9	96.1	97.5	97.7
GE 100	76.9	82.0	84.8	87.5	91.5	93.3	94.5	94.7	94.9	96.1	97.5	97.7
GE 000	76.9	82.0	84.8	87.5	91.5	93.3	94.5	94.7	94.9	96.1	97.5	97.7
.....												
TOTAL NUMBER OF OBSERVATIONS	433											



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
TIC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: APR HOURS: 06-09

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
45.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.1
52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.4
52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9
52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9
53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.6
55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.9
59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.0
60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.5
64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.4
67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4
67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4
68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.1
71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.8
72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7
75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.0
76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.4
79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1
80.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.8
82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.4
85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9
86.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.8
87.1	88.2	88.7	88.7	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	89.1
88.5	89.8	90.3	90.3	90.5	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.2
91.9	90.3	90.8	91.0	91.0	91.5	91.7	91.7	91.7	91.7	91.7	91.7	92.4
92.8	91.2	92.1	92.4	92.4	92.9	93.3	93.3	93.3	93.3	93.3	93.3	94.0
91.5	93.3	94.2	94.5	94.7	95.2	96.1	96.3	96.5	96.5	96.8	96.8	97.5
91.5	93.3	94.5	94.7	94.9	95.4	96.3	96.5	96.5	96.8	97.0	97.2	97.9
91.5	93.3	94.5	94.7	94.9	96.1	97.2	97.5	97.5	98.2	98.4	98.5	99.3
91.5	93.3	94.5	94.7	94.9	96.1	97.5	97.7	97.7	98.4	98.5	98.5	99.5
91.5	93.3	94.5	94.7	94.9	96.1	97.5	97.7	97.7	98.4	98.6	98.8	100.0
91.5	93.3	94.5	94.7	94.9	96.1	97.5	97.7	97.7	98.4	98.5	98.8	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGE MI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: APR HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 5	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	43.8	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 20000	50.2	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 18000	51.0	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 16000	51.0	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 14000	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 12000	54.1	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 10000	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	57.4	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 8000	61.5	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 7000	63.7	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	64.6	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 5000	66.2	66.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 4500	66.7	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4000	67.3	68.4	68.5	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 3500	69.0	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 3000	71.8	73.5	73.9	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
GE 2500	73.2	75.8	75.9	76.3	77.0	77.0	77.3	77.4	77.3	77.3	77.4	77.4
GE 2000	77.1	79.1	79.7	80.3	80.7	80.7	81.0	81.0	81.0	81.0	81.1	81.1
GE 1800	77.5	79.5	80.2	80.9	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5
GE 1600	81.2	83.4	84.5	85.4	86.0	86.0	86.3	86.4	86.4	86.4	86.5	86.5
GE 1200	82.7	85.0	86.3	87.2	87.3	87.9	88.3	88.4	88.4	88.5	88.6	88.6
GE 1000	83.7	86.7	87.4	88.7	89.7	89.4	90.2	90.3	90.3	90.5	90.6	90.6
GE 900	84.1	87.3	88.5	89.5	90.4	90.5	90.9	91.0	91.0	91.2	91.3	91.3
GE 800	84.4	87.7	89.2	90.3	91.6	91.8	92.5	92.6	92.6	92.8	92.9	92.9
GE 700	84.6	88.4	89.5	91.1	92.5	93.1	94.0	94.2	94.2	94.4	94.5	94.5
GE 600	84.9	88.5	90.1	91.5	93.1	93.3	94.7	94.9	94.9	95.1	95.3	95.3
GE 500	85.1	88.9	90.5	92.4	94.3	95.2	96.1	96.3	96.3	96.5	96.7	96.7
GE 400	85.1	89.4	90.7	92.5	94.5	95.5	97.0	97.5	97.5	97.7	98.4	98.5
GE 300	85.1	88.9	90.7	92.5	94.5	95.6	97.0	97.5	97.5	97.9	98.9	98.9
GE 200	85.1	88.9	90.7	92.5	94.5	95.7	97.1	97.5	97.5	98.0	98.9	98.9
GE 100	85.1	88.9	90.7	92.5	94.5	95.7	97.1	97.5	97.6	98.0	98.9	98.9
GE 000	85.1	88.9	90.7	92.5	94.5	95.7	97.1	97.6	97.6	98.0	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 977

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGE MI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: APR HOURS: 09-11

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
76.5	77.0	77.0	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
81.3	80.7	80.7	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
81.2	81.2	81.2	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
86.4	86.0	86.0	86.3	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5
87.2	87.3	87.2	88.3	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6
90.7	90.7	90.8	90.2	90.3	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6
90.5	90.4	90.5	90.9	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3
90.3	91.6	91.8	92.5	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
91.1	92.5	93.1	94.0	94.2	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5
91.5	93.1	93.3	94.7	94.9	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.4
92.4	94.3	95.2	96.1	96.3	96.3	96.6	96.7	96.8	97.0	97.0	97.0	97.2
92.5	94.5	95.5	97.0	97.5	97.5	97.7	98.4	98.5	98.9	98.9	99.0	99.2
92.6	94.5	95.6	97.0	97.5	97.5	97.9	98.8	98.9	99.3	99.3	99.4	99.7
92.6	94.5	95.7	97.1	97.6	97.6	98.0	98.9	99.0	99.4	99.5	99.7	100.0
92.5	94.5	95.7	97.1	97.6	97.6	98.0	98.9	99.0	99.4	99.5	99.7	100.0
92.5	94.5	95.7	97.1	97.6	97.6	98.0	98.9	99.0	99.4	99.5	99.7	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: APR HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	
NO CEIL	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	4
GE 20000	50.0	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	5
GE 18000	50.7	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	5
GE 16000	50.7	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	5
GE 14000	51.6	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	5
GE 12000	53.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	5
GE 10000	57.5	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	5
GE 9000	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	5
GE 8000	61.5	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	6
GE 7000	62.9	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	6
GE 6000	63.9	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	6
GE 5000	65.2	65.4	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	6
GE 4500	66.4	66.6	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	6
GE 4000	69.2	69.5	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	7
GE 3500	70.3	71.1	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	7
GE 3000	75.3	75.0	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	7
GE 2500	79.2	80.2	80.8	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	8
GE 2000	83.7	84.9	85.7	85.9	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	8
GE 1800	84.4	85.6	86.4	86.5	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	8
GE 1500	87.0	88.7	89.6	89.8	90.1	90.1	90.5	90.5	90.5	90.6	90.6	90.6	9
GE 1200	88.3	90.0	91.2	91.5	92.0	92.0	92.4	92.4	92.4	92.5	92.6	92.6	9
GE 1000	88.5	90.3	91.5	91.9	92.9	93.0	93.4	93.5	93.5	93.5	93.7	93.7	9
GE 900	88.5	90.4	91.6	92.1	93.1	93.2	93.6	93.7	93.7	93.8	93.9	93.9	9
GE 800	88.9	90.8	92.3	92.8	94.1	94.4	94.7	95.0	95.0	95.1	95.2	95.2	9
GE 700	89.2	91.6	93.3	94.1	95.6	95.9	96.6	96.8	96.8	96.9	97.0	97.0	9
GE 600	89.4	91.9	93.5	94.4	95.9	96.4	97.2	97.4	97.4	97.6	97.7	97.7	9
GE 500	89.5	92.0	93.6	94.8	96.4	96.9	97.8	98.0	98.0	98.2	98.3	98.3	9
GE 400	89.5	92.0	93.8	95.0	96.6	97.3	98.5	98.8	98.8	99.0	99.2	99.2	9
GE 300	89.5	92.0	94.0	95.2	96.9	97.6	98.3	99.1	99.1	99.3	99.6	99.7	9
GE 200	89.5	92.0	94.0	95.2	96.9	97.6	98.3	99.1	99.1	99.3	99.6	99.7	9
GE 100	89.5	92.0	94.0	95.2	96.9	97.6	98.3	99.1	99.1	99.3	99.6	99.7	9
GE 000	89.5	92.0	94.0	95.2	96.9	97.6	98.3	99.1	99.1	99.3	99.6	99.7	9

TOTAL NUMBER OF OBSERVATIONS 994

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
ICD: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: APR HOURS: 12-14

VISIBILITY IN STATUTE MILES												
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 1/8	GE 0
42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
90.1	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
92.0	92.0	92.4	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
93.4	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
94.1	94.4	94.7	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
96.6	96.6	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
96.9	96.4	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
98.4	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
98.5	97.3	98.5	98.8	98.8	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.4
98.9	97.5	98.3	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	100.0
98.9	97.6	98.3	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	100.0
98.9	97.5	98.4	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	100.0
98.9	97.5	98.3	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	100.0
98.9	97.5	98.3	99.1	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD  
MONTH: APR MO

CEILING IN FEET	VISIBILITY IN STATUTE MILES										
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4
NO CEIL	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 20000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 18000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 16000	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 14000	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 12000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 10000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 9000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 8000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 5000	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4500	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 4000	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3500	74.2	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	78.3	78.9	79.3	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3
GE 2500	81.4	82.5	82.9	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9
GE 2000	85.2	86.1	86.8	87.3	87.8	87.9	87.9	87.9	88.1	88.1	88.1
GE 1800	85.9	86.8	87.4	87.9	88.5	88.6	88.6	88.6	88.9	88.9	88.9
GE 1600	87.4	88.5	89.6	90.2	90.7	90.8	91.0	91.3	91.5	91.7	91.7
GE 1200	88.6	89.6	91.2	91.7	92.7	93.0	93.2	93.5	93.7	93.9	93.9
GE 1000	89.0	90.2	92.5	93.0	94.1	94.4	94.6	94.9	95.1	95.2	95.2
GE 900	89.5	90.7	93.0	93.5	94.5	94.9	95.1	95.4	95.6	95.8	95.8
GE 800	89.5	90.7	93.0	93.5	95.1	95.4	95.6	95.9	96.1	96.3	96.3
GE 700	89.5	91.0	93.7	94.6	95.1	96.4	96.3	97.1	97.3	97.5	97.5
GE 600	89.5	91.0	93.7	94.7	95.4	96.9	97.3	97.5	97.8	98.1	98.1
GE 500	89.5	91.0	93.7	94.7	95.4	96.9	97.5	98.0	98.1	98.5	98.5
GE 400	89.5	91.0	93.7	94.7	95.4	96.9	97.0	98.3	98.5	98.8	98.8
GE 300	89.5	91.0	93.9	94.9	95.6	97.1	98.1	98.5	98.6	99.0	99.3
GE 200	89.5	91.0	93.9	94.9	95.6	97.1	98.1	98.5	98.6	99.0	99.3
GE 100	89.5	91.0	93.9	94.9	95.6	97.1	98.1	98.5	98.6	99.0	99.3
GE 000	89.5	91.0	93.9	94.9	95.6	97.1	98.1	98.5	98.6	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS 582

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
FC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: APR HOURS: 15-17

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.5	88.5	88.5	88.5
88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
90.7	90.7	91.0	91.3	91.5	91.7	91.7	91.7	92.0	92.0	92.0	92.0
92.7	92.7	93.2	93.5	93.7	93.9	93.9	93.9	94.2	94.2	94.2	94.2
94.1	94.4	94.6	94.9	95.1	95.2	95.2	95.2	95.6	95.6	95.6	95.6
94.6	94.9	95.1	95.4	95.6	95.8	95.8	95.8	96.1	96.1	96.1	96.1
95.1	95.4	95.6	95.9	96.1	96.3	96.3	96.3	96.6	96.6	96.6	96.6
95.1	96.4	96.3	97.1	97.3	97.5	97.5	97.5	98.0	98.0	98.0	98.0
95.4	96.7	97.3	97.6	97.8	98.1	98.1	98.1	98.5	98.5	98.5	98.5
96.4	96.9	97.5	98.0	98.1	98.5	98.5	98.5	98.8	98.8	98.8	98.8
96.4	96.9	98.0	98.3	98.5	98.8	98.8	98.8	99.2	99.2	99.2	99.2
96.6	97.1	98.1	98.5	98.6	99.0	99.3	99.3	100.0	100.0	100.0	100.0
96.6	97.1	98.1	98.5	98.6	99.0	99.3	99.3	100.0	100.0	100.0	100.0
96.6	97.1	98.1	98.5	98.6	99.0	99.3	99.3	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: A  
MONTH: APR HOURS: AL

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8
NJ CEIL	42.9	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 20000	42.7	50.2	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GF 18000	50.3	50.8	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 16000	50.3	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 14000	51.2	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 12000	53.2	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 10000	56.9	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GF 9000	57.6	58.2	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 8000	61.0	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 7000	62.4	63.0	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 6000	63.9	64.7	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	65.2	66.0	66.2	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	66.2	66.9	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4000	69.7	69.5	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 3500	70.4	71.3	71.7	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 3000	73.9	75.4	75.9	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6
GF 2500	76.6	78.3	79.0	79.3	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9
GE 2000	80.2	82.0	82.3	83.3	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0
GF 1800	80.4	82.6	83.4	83.9	84.3	84.4	84.6	84.6	84.6	84.6	84.7	84.7
GE 1500	83.4	85.6	86.7	87.2	87.3	87.9	88.2	88.3	88.3	88.4	88.4	88.4
GF 1200	84.7	87.0	88.2	89.0	89.7	89.9	90.2	90.3	90.4	90.5	90.5	90.5
GE 1000	85.2	87.7	89.2	90.1	91.1	91.4	91.7	91.8	91.9	92.0	92.1	92.1
GF 900	85.5	88.1	89.7	90.6	91.6	91.9	92.3	92.4	92.4	92.6	92.7	92.7
GE 800	85.8	88.5	90.2	91.2	92.6	93.1	93.6	93.8	93.8	94.0	94.1	94.1
GE 700	86.0	89.0	90.9	92.2	93.7	94.3	94.9	95.2	95.2	95.4	95.5	95.5
GE 600	86.1	89.2	91.1	92.5	94.2	94.9	95.7	95.9	95.9	96.2	96.4	96.4
GF 500	86.2	89.3	91.3	93.0	95.0	95.3	95.7	96.9	97.0	97.3	97.5	97.6
GF 400	86.2	89.3	91.4	93.1	95.1	95.1	97.3	97.7	97.5	98.0	98.4	98.5
GE 300	86.2	89.3	91.5	93.2	95.3	95.2	97.5	97.8	97.9	98.3	98.9	99.0
GE 200	86.2	89.3	91.5	93.2	95.3	95.3	97.5	97.9	97.9	98.3	99.0	99.1
GE 100	86.2	89.3	91.5	93.2	95.3	95.3	97.5	97.9	97.9	98.3	99.0	99.1
GE 000	86.2	89.3	91.5	93.2	95.3	96.3	97.5	97.9	97.9	98.3	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 2993



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB MI  
IC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: APR HOURS: ALL

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/4	GE 1/4	GE 0
43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0
54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1
84.3	84.4	84.5	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.8
87.3	87.9	88.2	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5
89.7	89.9	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.6
91.1	91.4	91.7	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.2
91.6	91.9	92.3	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.8
92.6	93.1	93.5	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.2
93.7	94.3	94.9	95.2	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.7
94.2	94.9	95.7	95.9	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.6
95.0	95.3	95.7	96.8	97.0	97.3	97.5	97.6	97.8	97.8	97.8	98.0
95.1	96.1	97.3	97.7	97.8	98.0	98.4	98.5	98.8	98.8	98.9	99.1
95.3	96.2	97.5	97.8	97.9	98.3	98.9	99.0	99.5	99.5	99.6	99.8
95.3	96.3	97.5	97.9	97.9	98.3	99.0	99.1	99.5	99.6	99.7	99.9
95.3	96.3	97.5	97.9	97.9	98.3	99.0	99.1	99.5	99.6	99.7	100.0
95.3	96.3	97.5	97.9	97.9	98.3	99.0	99.1	99.5	99.6	99.7	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: 06-09

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	45.7	47.0	48.7	49.1	49.4	49.4	49.7	49.7	49.7	49.9	50.1	50.1	50.
GE 20000	52.4	54.0	56.0	56.4	56.7	56.7	57.0	57.0	57.0	57.3	57.6	57.6	57.
GE 18000	52.7	54.3	55.3	56.7	57.0	57.0	57.3	57.3	57.3	57.6	57.9	57.9	58.
GE 16000	53.0	54.6	56.6	57.0	57.3	57.3	57.6	57.6	57.6	57.9	58.2	58.2	58.
GE 14000	53.1	54.8	56.7	57.2	57.5	57.5	57.8	57.8	57.8	58.1	58.4	58.4	58.
GE 12000	54.8	56.4	58.5	59.3	59.6	59.6	59.9	59.9	59.9	60.2	60.5	60.5	60.
GE 10000	58.7	60.6	62.9	63.3	64.1	64.1	64.4	64.4	64.4	64.7	65.0	65.0	65.
GE 9000	59.0	60.9	63.2	64.1	64.4	64.5	64.8	64.8	64.8	65.0	65.3	65.6	65.
GE 8000	63.3	65.4	67.7	68.6	68.9	69.0	69.3	69.3	69.5	69.8	70.1	70.1	70.
GE 7000	64.5	66.6	68.9	69.8	70.1	70.2	70.5	70.5	70.7	71.0	71.3	71.3	71.
GE 6000	66.3	69.2	71.4	72.3	72.6	72.8	73.1	73.1	73.2	73.5	73.8	73.8	74.
GE 5000	68.0	70.4	72.8	73.7	74.1	74.3	74.6	74.6	74.7	75.0	75.3	75.3	75.
GE 4500	68.3	70.7	73.1	74.0	74.4	74.5	74.8	74.8	75.0	75.3	75.6	75.6	75.
GE 4000	69.9	72.5	75.0	75.9	76.6	76.9	77.2	77.2	77.4	77.7	78.0	78.0	78.
GE 3500	70.5	73.1	75.6	76.5	77.4	77.7	78.0	78.0	78.1	78.4	78.7	78.7	79.
GE 3000	70.8	73.4	75.9	76.9	77.0	78.3	78.6	78.6	78.7	79.3	79.6	79.6	79.
GE 2500	72.3	75.0	77.7	78.9	79.9	80.2	80.5	80.5	80.7	81.3	81.6	81.6	81.
GE 2000	74.7	77.5	80.2	81.6	82.6	83.1	83.4	83.4	83.5	84.1	84.4	84.4	84.
GE 1800	74.9	77.7	80.4	81.7	82.7	83.2	83.7	83.7	83.8	84.4	84.7	84.7	84.
GE 1500	77.5	80.4	83.7	85.0	86.4	86.7	87.3	87.4	87.5	88.2	88.5	88.5	88.
GE 1200	78.7	81.6	84.9	86.2	87.7	88.0	88.6	88.7	89.1	89.7	90.0	90.0	90.
GE 1000	80.4	83.2	86.5	88.2	89.7	90.0	91.0	91.3	91.5	92.2	92.5	92.5	92.
GE 900	80.4	83.2	86.7	88.5	90.3	90.5	91.5	92.1	92.2	93.0	93.3	93.3	93.
GE 800	80.4	83.5	87.3	89.1	90.9	91.2	92.4	93.0	93.1	93.9	94.2	94.2	94.
GE 700	80.8	84.1	87.6	89.6	91.6	91.9	93.1	94.0	94.3	95.1	95.4	95.4	95.
GE 600	81.0	84.3	87.9	89.9	91.9	92.2	93.5	94.5	94.6	95.7	96.0	96.0	96.
GE 500	81.3	84.6	88.3	90.3	92.5	93.0	94.3	95.2	95.5	96.4	96.7	96.7	97.
GE 400	81.3	84.6	88.3	90.3	93.1	93.5	95.1	97.0	97.3	98.2	98.5	98.5	98.
GE 300	81.3	84.6	88.3	90.3	93.1	93.6	95.4	97.3	97.6	98.5	98.8	98.8	99.
GE 200	81.3	84.6	88.3	90.3	93.1	93.6	95.4	97.3	97.6	98.5	99.0	99.0	99.
GE 100	81.3	84.6	88.3	90.3	93.1	93.6	95.4	97.3	97.6	98.5	99.1	99.1	99.
GE 000	81.3	84.6	88.3	90.3	93.1	93.6	95.4	97.3	97.6	98.5	99.1	99.1	99.

TOTAL NUMBER OF OBSERVATIONS 668

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGR MI

PERIOD OF RECORD: AUG 73 - JUL 84

MONTH: MAY HOURS: 06-08

VISIBILITY IN STATUTE MILES

CEILING	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GL 1/2	GE 3/8	GE 1/4	GE 0
49.4	49.4	49.7	49.7	49.7	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3
55.7	56.7	57.0	57.0	57.0	57.3	57.6	57.6	57.8	57.8	57.8	57.8	57.8
57.0	57.0	57.3	57.3	57.3	57.6	57.9	57.9	58.1	58.1	58.1	58.1	58.1
57.3	57.3	57.6	57.6	57.6	57.9	58.2	58.2	58.4	58.4	58.4	58.4	58.4
57.5	57.5	57.8	57.8	57.8	58.1	58.4	58.4	58.5	58.5	58.5	58.5	58.5
59.6	59.6	59.9	59.9	59.9	60.2	60.5	60.5	60.6	60.6	60.6	60.6	60.6
64.1	64.1	64.4	64.4	64.4	64.7	65.0	65.0	65.1	65.1	65.1	65.1	65.1
64.4	64.5	64.8	64.8	65.0	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7
68.9	69.0	69.3	69.3	69.5	69.8	70.1	70.1	70.2	70.2	70.2	70.2	70.2
70.1	70.2	70.5	70.5	70.7	71.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4
72.5	72.8	73.1	73.1	73.2	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0
74.1	74.3	74.6	74.6	74.7	75.0	75.3	75.3	75.4	75.4	75.4	75.4	75.4
74.4	74.5	74.7	74.9	75.0	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7
76.5	76.9	77.2	77.2	77.4	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1
77.4	77.7	78.0	78.0	78.1	78.4	78.7	78.7	78.9	78.9	78.9	78.9	78.9
78.0	78.3	78.6	78.6	78.7	79.0	79.3	79.3	79.5	79.5	79.5	79.5	79.5
80.2	80.5	80.8	80.8	81.0	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7
83.1	83.1	83.4	83.4	83.5	84.1	84.4	84.4	84.6	84.6	84.6	84.6	84.6
83.2	83.2	83.7	83.7	83.9	84.4	84.7	84.7	84.9	84.9	84.9	84.9	84.9
86.4	86.7	87.3	87.4	87.5	88.2	88.5	88.5	88.6	88.6	88.6	88.6	88.6
87.7	88.0	88.5	88.5	89.1	89.7	90.0	90.0	90.1	90.1	90.1	90.1	90.1
90.7	90.0	91.0	91.3	91.5	92.2	92.5	92.5	92.8	92.8	93.0	93.0	93.0
90.3	90.5	91.3	92.1	92.2	93.0	93.3	93.3	93.6	93.6	93.7	93.7	93.7
90.9	91.2	92.4	93.0	93.1	93.9	94.2	94.2	94.5	94.5	94.6	94.6	94.6
91.6	91.9	93.1	94.0	94.3	95.1	95.4	95.4	95.7	95.7	95.8	95.8	95.8
91.9	92.2	93.5	94.5	94.8	95.7	96.0	96.0	96.3	96.3	96.4	96.4	96.4
92.5	93.0	94.3	95.2	95.5	96.4	96.7	96.7	97.0	97.0	97.2	97.2	97.2
93.1	93.5	95.1	97.0	97.3	98.2	98.5	98.5	98.8	98.8	99.0	99.0	99.0
93.1	93.6	95.4	97.3	97.6	98.5	98.8	98.8	99.1	99.1	99.4	99.4	99.4
93.1	93.6	95.4	97.3	97.6	98.5	99.0	99.0	99.3	99.3	99.7	99.7	99.7
93.1	93.6	95.4	97.3	97.6	98.5	99.1	99.1	99.4	99.4	100.0	100.0	100.0
93.1	93.6	95.4	97.3	97.6	98.5	99.1	99.1	99.4	99.4	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: A  
MONTH: MAY HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	47.9	48.6	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	56.8	57.6	58.0	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 18000	56.7	57.8	58.2	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 16000	57.0	57.7	58.3	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	57.4	58.3	58.7	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 12000	58.7	59.6	60.0	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 10000	62.5	63.5	63.9	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	62.8	63.3	64.2	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	65.4	66.9	67.4	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	67.6	68.7	69.3	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 6000	69.0	70.1	70.7	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	70.7	72.0	73.1	73.7	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1
GE 4500	71.4	72.5	73.6	74.1	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5
GE 4000	73.2	74.2	75.4	76.0	76.3	76.3	76.3	76.3	76.4	76.5	76.5	76.5
GE 3500	74.9	76.0	77.4	77.9	78.2	78.2	78.2	78.2	78.3	78.4	78.4	78.4
GE 3000	78.2	79.3	80.9	81.4	81.7	81.8	81.8	81.8	81.9	82.0	82.0	82.0
GE 2500	80.4	81.4	83.0	83.7	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4
GE 2000	83.0	84.4	86.3	87.1	87.4	87.6	87.6	87.6	87.7	87.8	87.8	87.8
GE 1800	84.1	85.4	87.4	88.1	88.4	88.6	88.6	88.6	88.7	88.8	88.8	88.8
GE 1500	86.2	87.7	89.8	90.7	91.0	91.2	91.2	91.2	91.3	91.4	91.4	91.4
GE 1200	87.3	88.7	91.2	92.1	92.4	92.6	92.6	92.6	93.0	93.1	93.2	93.2
GE 1000	88.1	89.6	92.3	93.5	94.0	94.2	94.3	94.7	94.8	94.8	94.8	94.8
GE 900	88.5	90.1	93.1	94.4	94.8	95.0	95.1	95.5	95.6	95.6	95.6	95.6
GE 800	88.8	90.6	93.7	94.9	95.5	95.7	95.8	96.5	96.6	96.6	96.8	96.8
GE 700	88.3	90.7	93.9	95.3	95.1	95.3	96.4	97.3	97.5	97.7	97.7	97.7
GE 600	88.8	90.8	94.1	95.6	95.3	96.6	96.7	97.6	97.8	98.0	98.0	98.0
GE 500	83.3	91.0	94.4	95.8	96.8	97.0	97.2	98.1	98.3	98.4	98.4	98.4
GE 400	88.9	91.0	94.4	96.0	97.1	97.4	97.6	98.7	98.9	99.5	99.5	99.5
GE 300	88.9	91.0	94.4	96.0	97.1	97.4	97.6	98.7	98.9	99.5	99.7	99.7
GE 200	88.9	91.0	94.4	96.0	97.1	97.4	97.6	98.7	99.0	99.6	99.8	99.8
GE 100	88.9	91.0	94.4	96.0	97.1	97.4	97.6	98.7	99.0	99.6	100.0	100.0
GE 000	88.9	91.0	94.4	96.0	97.1	97.4	97.6	98.7	99.0	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1029

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
ST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY HOURS: 09-11

VISIBILITY IN STATUTE MILES													
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
73.7	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
74.1	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
76.0	76.3	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
77.9	78.2	78.2	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
81.4	81.7	81.8	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
83.7	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
87.1	87.4	87.6	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
88.1	88.4	88.6	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
90.7	91.0	91.2	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
92.1	92.4	92.6	92.6	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
93.5	94.0	94.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
94.4	94.8	95.0	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
94.9	95.5	95.7	95.8	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
95.3	95.1	95.3	96.4	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
95.5	95.3	96.5	96.7	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
95.8	96.2	97.0	97.2	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
95.0	97.1	97.4	97.6	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
95.0	97.1	97.4	97.6	98.7	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
95.0	97.1	97.4	97.6	98.7	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
96.0	97.1	97.4	97.6	98.7	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95.0	97.1	97.4	97.6	98.7	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1020

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	44.5	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	54.8	55.4	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 18000	55.3	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 16000	55.3	55.9	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 14000	56.6	57.2	57.2	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 12000	59.4	60.0	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 10000	62.4	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	62.4	63.4	63.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 8000	67.3	68.0	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 7000	69.2	69.2	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 6000	69.8	70.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 5000	71.5	72.7	72.9	73.5	73.6	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9
GE 4500	72.2	73.3	73.5	74.2	74.3	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7
GE 4000	74.7	76.2	76.4	77.1	77.1	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5
GE 3500	76.9	78.6	78.8	79.5	79.7	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.1
GE 3000	81.3	83.2	83.5	84.3	84.5	84.7	84.8	84.9	84.9	85.0	85.0	85.0	85.0
GE 2500	83.4	85.7	86.1	86.9	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.6
GE 2000	86.5	88.8	89.4	90.2	90.5	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1
GE 1800	87.0	89.3	89.9	90.8	91.3	91.5	91.5	91.7	91.7	91.8	91.8	91.8	91.8
GE 1500	88.8	91.5	92.4	93.3	93.8	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.3
GE 1200	90.3	93.2	94.1	95.2	95.0	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5
GE 1000	90.4	93.3	94.4	95.5	95.4	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0
GE 900	90.5	93.5	94.6	95.8	95.6	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 800	90.9	93.8	95.1	96.3	97.2	97.7	97.3	97.9	97.9	98.0	98.0	98.0	98.0
GE 700	90.9	93.8	95.2	96.5	97.4	97.9	98.1	98.5	98.5	98.6	98.6	98.6	98.6
GE 600	91.0	93.8	95.3	97.0	97.9	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	91.0	93.9	95.4	97.1	97.9	98.4	98.8	99.2	99.2	99.3	99.3	99.3	99.3
GE 400	91.0	93.9	95.4	97.1	97.9	98.4	98.8	99.5	99.6	99.7	99.7	99.7	99.7
GE 300	91.0	93.9	95.4	97.1	97.9	98.5	98.9	99.6	99.7	99.8	99.8	99.8	99.8
GE 200	91.0	93.9	95.4	97.1	97.9	98.5	98.9	99.6	99.7	100.0	100.0	100.0	100.0
GE 100	91.0	93.9	95.4	97.1	97.9	98.5	98.9	99.6	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1024

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGE WI  
TD UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY HOURS: 12-14

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
73.5	73.6	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
74.2	74.3	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
77.1	77.1	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
79.5	79.7	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
84.3	84.5	84.7	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
87.2	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
90.2	90.5	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
90.3	91.3	91.5	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
93.3	93.3	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
95.2	95.0	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
96.5	96.4	96.7	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
96.8	96.6	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
96.3	97.2	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
96.5	97.4	97.9	98.1	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
97.0	97.9	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
97.1	97.9	98.4	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
97.1	97.9	98.4	98.8	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
97.1	97.9	98.5	98.9	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
97.1	97.9	98.5	98.9	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.1	97.9	98.5	98.9	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.1	97.9	98.5	98.9	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	47.1	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 20000	57.7	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 18000	57.9	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 16000	58.1	59.4	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	59.4	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 12000	61.1	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	62.2	63.7	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	62.4	63.9	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 8000	67.6	69.3	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	69.3	71.1	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	71.1	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 5000	73.2	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4500	74.7	76.5	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 4000	76.2	78.0	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	78.4	80.3	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000	83.4	85.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2500	88.0	90.3	91.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	88.1	90.5	92.0	92.2	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	88.1	90.5	92.0	92.2	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	90.3	92.7	94.2	94.6	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	91.5	94.2	95.7	96.5	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 1000	91.5	94.2	95.7	96.5	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	91.5	94.2	95.7	96.5	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 100	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 000	92.2	94.3	96.3	97.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 463



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
IC: + 6 MONTH: MAY HOURS: 15-17

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

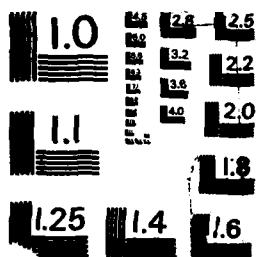
STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	46.2	47.0	47.4	47.7	47.3	47.8	47.9	47.9	47.9	47.9	48.0	48.0	48.0
GE 20000	55.3	56.3	56.9	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.7	57.7	57.7
GE 18000	55.7	56.7	57.2	57.7	57.3	57.3	57.9	57.9	57.9	57.9	58.0	58.0	58.0
GE 16000	55.8	56.8	57.3	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.1
GE 14000	56.6	57.6	58.1	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.9	58.9	58.9
GE 12000	58.4	59.5	60.1	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.9	60.9	60.9
GE 10000	61.6	62.8	63.4	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
GE 9000	61.9	63.1	63.3	64.4	64.5	64.5	64.5	64.6	64.6	64.7	64.7	64.7	64.7
GE 8000	65.0	67.3	68.0	68.7	68.8	68.3	68.9	68.9	68.9	69.0	69.1	69.1	69.1
GE 7000	67.4	68.8	69.5	70.2	70.3	70.4	70.4	70.4	70.4	70.5	70.6	70.6	70.6
GE 6000	69.1	70.5	71.3	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.4	72.4	72.4
GE 5000	70.8	72.3	73.3	73.9	74.1	74.2	74.2	74.3	74.3	74.5	74.5	74.5	74.5
GE 4500	71.6	73.0	74.0	74.5	74.3	74.9	75.0	75.0	75.1	75.2	75.3	75.3	75.3
GE 4000	73.4	75.0	76.1	76.7	77.0	77.1	77.2	77.3	77.3	77.4	77.5	77.5	77.5
GE 3500	75.1	76.8	78.1	78.7	79.1	79.1	79.3	79.3	79.4	79.5	79.6	79.6	79.6
GE 3000	78.4	80.2	81.6	82.3	82.5	82.3	82.9	83.0	83.0	83.2	83.3	83.3	83.3
GE 2500	80.6	82.5	83.9	84.5	85.0	85.2	85.4	85.4	85.5	85.6	85.7	85.7	85.7
GE 2000	83.1	85.2	86.8	87.7	88.2	88.4	88.6	88.6	88.7	88.9	88.9	88.9	88.9
GE 1800	83.7	85.8	87.4	88.3	88.8	89.0	89.2	89.2	89.3	89.5	89.5	89.5	89.5
GE 1500	85.3	88.1	90.0	90.9	91.6	91.3	92.0	92.1	92.1	92.3	92.4	92.4	92.4
GE 1200	87.1	90.4	91.5	92.5	93.3	93.5	93.7	93.9	94.0	94.2	94.3	94.3	94.3
GE 1000	87.4	90.1	92.3	93.5	94.3	94.5	94.9	95.1	95.2	95.4	95.5	95.5	95.5
GE 900	88.0	90.3	92.6	93.9	94.8	95.1	95.4	95.7	95.7	96.0	96.0	96.0	96.0
GE 800	88.3	90.8	93.2	94.5	95.5	95.8	96.2	96.6	96.6	96.9	97.0	97.0	97.0
GE 700	88.3	90.9	93.3	94.8	95.9	96.2	96.6	97.2	97.4	97.6	97.7	97.7	97.7
GE 600	88.4	91.0	93.5	95.0	96.2	96.5	97.0	97.7	97.7	98.1	98.1	98.1	98.1
GE 500	88.5	91.1	93.7	95.3	96.5	96.9	97.4	98.0	98.1	98.4	98.4	98.4	98.4
GE 400	88.5	91.1	93.7	95.3	96.7	97.1	97.7	98.7	98.9	99.1	99.1	99.1	99.1
GE 300	88.5	91.1	93.7	95.3	96.7	97.2	97.9	98.9	99.1	99.1	99.1	99.1	99.1
GE 200	88.5	91.1	93.7	95.3	96.7	97.2	97.9	98.9	99.1	99.1	99.1	99.1	99.1
GE 100	88.5	91.1	93.7	95.3	96.7	97.2	97.9	98.9	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 3184

AF-4210 623 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCCS) FOR VOLK 4 6  
FIELD ANGB WISCONSIN AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER 0001 AFB IL MAY 89  
UNCLASSIFIED USAFETAC 01-89 203 F 1 4 2 NL



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WIK FLD ANGR WI

PERIOD OF RECORD: AUG 73 - JUL 89  
MONTH: MAY HOURS: ALL

VISIBILITY IN STATUTE MILES

	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
47.8	47.9	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0
57.5	57.5	57.5	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7
57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0
57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
60.7	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4
64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8
68.3	68.9	68.9	68.9	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1
70.4	70.4	70.4	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6
72.1	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4
74.2	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.6
74.9	75.0	75.0	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3
77.1	77.2	77.3	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5
79.1	79.3	79.3	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6
82.8	82.9	83.0	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3
85.2	85.4	85.4	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7
88.4	88.6	88.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
89.0	89.2	89.2	89.3	89.3	89.5	89.5	89.5	89.6	89.6	89.6	89.6
91.8	92.0	92.1	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4
93.5	93.7	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3
94.6	94.9	95.1	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.6	95.6
95.1	95.4	95.7	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1
95.8	96.2	96.6	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0
96.2	96.6	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.8	97.8
96.5	97.0	97.7	97.8	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2
96.9	97.4	98.0	98.1	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6
97.1	97.7	98.7	98.9	98.9	99.3	99.4	99.4	99.4	99.4	99.5	99.5
97.2	97.9	98.9	99.1	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7
97.2	97.9	98.9	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.9	99.9
97.2	97.9	98.9	99.1	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0
97.2	97.9	98.9	99.1	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG9 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	48.2	49.2	49.9	51.0	52.1	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.
GE 20000	55.3	56.6	57.9	59.4	60.6	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.
GE 18000	55.4	56.7	58.0	59.5	60.7	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.
GE 16000	55.4	56.8	58.1	59.7	60.8	61.2	61.3	61.3	61.3	61.5	61.5	61.5	61.
GE 14000	56.3	57.7	59.0	60.6	61.7	62.1	62.2	62.2	62.2	62.4	62.4	62.4	62.
GE 12000	58.9	60.3	61.9	63.4	64.7	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.
GE 10000	60.8	62.8	64.3	65.9	67.3	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.
GE 9000	61.1	63.1	64.7	66.2	67.7	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.
GE 8000	64.2	66.2	67.8	69.3	70.7	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.
GE 7000	65.7	67.9	69.6	71.1	72.6	72.9	73.1	73.1	73.1	73.3	73.3	73.3	73.
GE 6000	67.5	69.7	71.4	72.9	74.4	74.7	74.9	74.9	74.9	75.1	75.1	75.1	75.
GE 5000	70.0	72.4	74.2	76.2	77.6	78.0	78.1	78.1	78.1	78.4	78.4	78.4	78.
GE 4500	70.4	72.8	74.6	76.5	78.0	78.4	78.5	78.5	78.5	78.7	78.7	78.7	78.
GE 4000	71.8	74.6	76.4	78.4	79.8	80.3	80.4	80.4	80.4	80.7	80.7	80.7	80.
GE 3500	71.9	74.9	76.8	78.7	80.4	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.
GE 3000	73.8	77.1	79.0	81.1	83.1	83.6	83.8	83.8	83.8	84.0	84.0	84.0	84.
GE 2500	75.1	78.6	80.8	83.0	85.2	85.7	85.8	85.8	85.8	86.1	86.1	86.1	86.
GE 2000	76.3	79.9	82.1	84.3	86.7	87.2	87.4	87.4	87.4	87.6	87.6	87.6	87.
GE 1800	76.7	80.3	82.5	84.7	87.1	87.6	87.8	87.8	87.8	88.0	88.0	88.0	88.
GE 1500	78.2	82.1	84.5	86.9	89.4	89.9	90.1	90.1	90.1	90.3	90.3	90.3	90.
GE 1200	79.0	83.0	85.6	87.9	90.5	91.0	91.1	91.1	91.1	91.4	91.4	91.4	91.
GE 1000	79.6	83.6	86.5	89.0	91.8	92.3	92.5	92.5	92.5	92.8	92.8	92.8	92.
GE 900	79.9	83.9	86.7	89.3	92.0	92.7	92.9	92.9	92.9	93.2	93.2	93.2	93.
GE 800	80.5	84.5	87.4	90.1	92.8	93.4	93.7	93.7	93.7	93.9	93.9	93.9	93.
GE 700	80.5	84.7	87.6	90.5	93.3	93.9	94.2	94.2	94.2	94.5	94.5	94.5	94.
GE 600	80.8	85.1	88.0	91.0	93.9	94.7	95.1	95.1	95.1	95.5	95.5	95.5	95.
GE 500	81.1	85.3	88.4	91.4	94.5	95.4	95.9	96.0	96.1	96.6	96.6	96.6	96.
GE 400	81.3	85.6	88.7	91.6	95.2	96.4	96.9	97.4	97.8	98.6	98.7	98.7	98.
GE 300	81.3	85.6	88.7	91.6	95.4	96.5	97.2	97.7	98.2	99.0	99.2	99.2	99.
GE 200	81.3	85.6	88.7	91.6	95.4	96.6	97.2	97.8	98.5	99.2	99.6	99.7	99.
GE 100	81.3	85.6	88.7	91.6	95.4	96.6	97.2	97.8	98.5	99.2	99.6	99.7	99.
GE 000	81.3	85.6	88.7	91.6	95.4	96.6	97.2	97.8	98.5	99.2	99.6	99.7	99.

TOTAL NUMBER OF OBSERVATIONS 776

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: 06-08

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
52.1	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
60.6	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
60.7	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
60.8	61.2	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
61.7	62.1	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4
64.7	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
67.3	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
67.7	68.0	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
70.7	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
72.6	72.9	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
74.4	74.7	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
77.6	78.0	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
78.0	78.4	78.5	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
79.8	80.3	80.4	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
80.4	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
83.1	83.6	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
85.2	85.7	85.8	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
85.7	87.2	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
87.1	87.6	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
89.4	89.9	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
90.5	91.0	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
91.8	92.3	92.5	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
92.0	92.7	92.9	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
92.8	93.4	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
93.3	93.9	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
93.9	94.7	95.1	95.1	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5
94.5	95.4	95.9	96.0	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6
95.2	96.4	96.9	97.4	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7
95.4	96.5	97.2	97.7	98.2	99.0	99.2	99.2	99.4	99.4	99.4	99.4
95.4	96.6	97.2	97.8	98.5	99.2	99.6	99.7	99.9	100.0	100.0	100.0
95.4	96.6	97.2	97.8	98.5	99.2	99.6	99.7	99.9	100.0	100.0	100.0
95.4	96.6	97.2	97.8	98.5	99.2	99.6	99.7	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: JUN HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	49.1	50.5	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 20000	57.6	60.4	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 18000	57.9	60.7	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 16000	57.9	60.7	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 14000	58.7	61.6	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 12000	61.7	64.6	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 10000	63.7	66.9	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 9000	64.0	67.4	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 8000	66.6	70.0	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	67.3	70.9	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 6000	68.7	72.3	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 5000	69.9	73.5	75.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4500	70.3	74.1	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4000	71.9	75.9	77.8	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	72.9	77.0	78.9	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3000	74.9	79.3	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	78.5	83.1	85.3	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	80.2	85.0	87.2	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4
GE 1800	80.8	85.7	87.9	88.9	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1
GE 1500	82.4	87.5	89.9	91.0	91.1	91.2	91.2	91.4	91.4	91.5	91.5	91.5
GE 1200	83.1	88.6	91.1	92.4	92.6	92.8	92.8	93.0	93.0	93.1	93.1	93.1
GE 1000	84.2	89.9	92.5	93.9	94.2	94.5	94.7	94.9	94.9	94.9	94.9	94.9
GE 900	84.2	89.9	92.5	94.1	94.8	95.3	95.5	95.6	95.6	95.7	95.7	95.7
GE 800	84.4	90.2	92.9	94.8	95.6	96.2	96.4	96.5	96.5	96.6	96.6	96.6
GE 700	84.6	90.4	93.2	95.1	96.2	97.0	97.2	97.4	97.4	97.5	97.5	97.5
GE 600	84.6	90.5	93.3	95.3	96.5	97.4	97.7	97.9	97.9	98.0	98.0	98.0
GE 500	84.6	90.6	93.6	95.3	97.2	98.1	98.5	98.8	98.9	99.1	99.1	99.1
GE 400	84.6	90.6	93.6	95.8	97.3	98.5	98.9	99.3	99.4	99.7	99.7	99.7
GE 300	84.6	90.6	93.6	95.9	97.4	98.7	99.1	99.6	99.7	99.9	99.9	99.9
GE 200	84.6	90.6	93.6	95.9	97.4	98.7	99.1	99.7	99.7	100.0	100.0	100.0
GE 100	84.6	90.6	93.6	95.9	97.4	98.7	99.1	99.7	99.7	100.0	100.0	100.0
GE 000	84.6	90.6	93.6	95.9	97.4	98.7	99.1	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1187



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
TC: + 6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: JUN HOURS: 09-11

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.4	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
97.4	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436 STATION NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 -  
LST TO UTC: + 6 MONTH: JUN HOURS: 12-14

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	45.7	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 20000	57.7	58.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 18000	57.8	58.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	57.9	58.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000	59.3	60.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 12000	60.4	61.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 10000	63.5	64.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 9000	63.7	64.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 8000	66.0	67.3	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
GE 7000	66.4	67.7	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
GE 6000	68.5	69.9	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6
GE 5000	69.9	71.3	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
GE 4500	70.8	72.1	73.5	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2
GE 4000	74.0	75.5	77.0	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7
GE 3500	76.9	78.7	80.3	80.6	80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.4
GE 3000	80.5	82.6	84.4	84.7	85.0	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.5
GE 2500	84.6	87.0	88.8	89.2	89.5	89.6	89.9	89.9	89.9	89.9	89.9	89.9	90.0
GE 2000	86.4	89.2	91.2	91.7	92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.5
GE 1800	86.7	89.6	91.6	92.2	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.9
GE 1500	89.0	92.4	94.4	95.0	95.2	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200	89.6	93.2	95.2	95.7	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	90.2	93.7	96.1	96.7	97.4	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.1
GE 900	90.2	93.8	96.2	96.8	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.3
GE 800	90.4	94.1	96.4	97.1	97.9	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	90.4	94.1	96.5	97.2	98.0	98.3	98.7	98.9	98.9	98.9	98.9	98.9	99.0
GE 600	90.4	94.1	96.5	97.3	98.3	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.4
GE 500	90.4	94.1	96.6	97.4	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.7
GE 400	90.4	94.1	96.6	97.4	98.4	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	90.4	94.1	96.6	97.4	98.4	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.8
GE 200	90.4	94.1	96.6	97.4	98.4	98.8	99.5	99.7	99.7	99.7	99.7	99.8	99.9
GE 100	90.4	94.1	96.6	97.4	98.4	98.8	99.5	99.7	99.7	99.7	99.9	99.9	100.0
GE 000	90.4	94.1	96.6	97.4	98.4	98.8	99.5	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1198

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLU ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: 12-14

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9
69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3
71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6
73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2
77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
80.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
85.0	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
89.5	89.6	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0
92.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9
95.2	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
97.4	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
97.9	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
98.0	98.3	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
98.3	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
99.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
99.4	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.4	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
99.4	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.9	99.9	99.9
99.4	98.8	99.5	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
99.4	98.8	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0

OPERATING LOCATION \*A\*  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	47.0	47.7	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	59.0	59.9	60.6	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 18000	59.2	60.1	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	59.2	60.1	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	59.7	60.6	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	60.9	61.8	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 10000	65.2	66.2	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 9000	66.1	67.1	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 8000	69.4	70.4	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	70.9	71.9	72.7	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 6000	73.2	74.3	75.1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 5000	75.5	76.5	77.3	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4500	76.2	77.5	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4000	78.3	80.0	80.9	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3500	80.4	82.3	83.4	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	85.6	87.8	89.0	89.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2500	87.1	89.6	91.0	92.1	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	89.7	92.3	94.0	95.1	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1800	89.9	92.7	94.4	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	90.5	93.5	95.2	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	91.0	94.0	95.7	96.9	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	91.3	94.4	96.2	97.4	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2
GE 900	91.4	94.5	96.5	97.7	98.2	98.2	98.3	98.3	98.3	98.6	98.6	98.6	98.6
GE 800	91.6	94.8	96.8	98.3	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE 700	91.6	94.8	96.8	98.3	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE 600	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 500	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7
GE 300	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7
GE 200	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.7	99.9	99.9	99.9
GE 100	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.7	99.9	99.9	99.9
GE 000	91.6	94.8	97.0	98.6	99.2	99.2	99.4	99.4	99.4	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 770

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUN HOURS: 15-17

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
50.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
98.2	98.2	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.2	99.2	99.4	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
99.2	99.2	99.4	99.4	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0
99.2	99.2	99.4	99.4	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS.  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	
NO CEIL	47.2	48.4	49.1	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	4
GE 20000	57.4	59.0	60.2	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	6
GE 18000	57.6	59.2	60.4	60.9	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3	6
GE 16000	57.7	59.3	60.5	61.0	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	6
GE 14000	58.6	60.3	61.4	61.9	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	6
GE 12000	60.6	62.2	63.5	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	6
GE 10000	63.4	65.3	66.5	67.0	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	6
GE 9000	63.7	65.7	67.0	67.5	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	6
GE 8000	66.5	68.5	69.9	70.4	70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	7
GE 7000	67.4	69.5	70.9	71.4	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.0	7
GE 6000	69.3	71.4	72.9	73.4	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	7
GE 5000	71.0	73.2	74.7	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	7
GE 4500	71.6	73.9	75.4	76.1	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	7
GE 4000	73.7	76.3	77.9	78.7	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	7
GE 3500	75.4	78.1	79.8	80.6	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	8
GE 3000	78.5	81.5	83.3	84.2	84.7	84.9	85.0	85.0	85.0	85.1	85.1	85.1	8
GE 2500	81.4	84.7	86.6	87.6	88.2	88.3	88.5	88.5	88.5	88.6	88.6	88.6	8
GE 2000	83.2	86.7	88.7	89.8	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	9
GE 1800	83.6	87.2	89.2	90.3	90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.4	9
GE 1500	85.2	89.1	91.2	92.4	93.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	9
GE 1200	85.8	90.0	92.1	93.4	94.2	94.4	94.6	94.6	94.6	94.7	94.7	94.7	9
GE 1000	86.5	90.7	93.1	94.5	95.4	95.6	95.9	96.0	96.0	96.1	96.1	96.1	9
GE 900	86.6	90.8	93.3	94.7	95.8	96.1	96.3	96.4	96.4	96.5	96.5	96.5	9
GE 800	86.9	91.2	93.6	95.2	96.4	96.7	97.0	97.1	97.1	97.2	97.2	97.2	9
GE 700	86.9	91.2	93.8	95.4	96.7	97.2	97.4	97.5	97.5	97.7	97.7	97.7	9
GE 600	87.0	91.4	94.0	95.7	97.1	97.6	98.0	98.1	98.1	98.2	98.2	98.2	9
GE 500	87.0	91.5	94.1	96.0	97.4	98.0	98.4	98.6	98.7	98.9	98.9	98.9	9
GE 400	87.1	91.5	94.2	96.0	97.6	98.3	98.8	99.1	99.2	99.5	99.5	99.5	9
GE 300	87.1	91.5	94.2	96.0	97.7	98.4	98.9	99.2	99.3	99.6	99.7	99.7	9
GE 200	87.1	91.5	94.2	96.0	97.7	98.4	98.9	99.2	99.4	99.7	99.8	99.9	9
GE 100	87.1	91.5	94.2	96.0	97.7	98.4	98.9	99.2	99.4	99.7	99.9	99.9	9
GE 000	87.1	91.5	94.2	96.0	97.7	98.4	98.9	99.2	99.4	99.7	99.9	99.9	9

TOTAL NUMBER OF OBSERVATIONS 3931

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

IE: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: JUN HOURS: ALL

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4
81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5
84.7	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
88.2	88.3	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9
90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
93.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6
94.2	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
95.4	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
95.8	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6
96.4	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3
96.7	97.2	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
97.1	97.6	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
97.4	98.0	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.6	98.3	98.8	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
97.7	98.4	98.9	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
97.7	98.4	98.9	99.2	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
97.7	98.4	98.9	99.2	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0
97.7	98.4	98.9	99.2	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 74  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES													
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8
NO CEIL	46.8	49.8	52.6	53.9	54.3	54.7	55.2	55.3	55.3	55.6	56.0	56.0	56.3	56.3
GE 20000	50.9	54.9	58.1	59.5	59.9	60.4	60.9	61.2	61.2	61.4	62.0	62.0	62.2	62.2
GE 13000	50.9	54.9	58.1	59.5	59.9	60.4	60.9	61.2	61.2	61.4	62.0	62.0	62.2	62.2
GE 16000	50.9	54.9	58.1	59.5	59.9	60.4	60.9	61.2	61.2	61.4	62.0	62.0	62.2	62.2
GE 14000	51.7	55.8	59.3	60.8	61.2	61.6	62.1	62.4	62.4	62.7	63.2	63.2	63.5	63.5
GE 12000	54.4	58.6	62.4	64.1	64.5	65.0	65.5	65.9	65.9	66.2	66.7	66.7	67.0	67.0
GE 10000	58.6	63.2	67.4	69.4	70.0	70.4	70.9	71.3	71.3	71.6	72.1	72.1	72.4	72.4
GE 9000	59.0	63.6	67.8	69.3	70.4	70.3	71.3	71.7	71.7	72.0	72.5	72.5	72.8	72.8
GE 8000	62.8	67.9	72.7	74.7	75.2	75.6	76.2	76.7	76.7	77.0	77.5	77.5	77.8	77.8
GE 7000	63.1	68.5	73.3	75.4	75.9	76.3	76.9	77.4	77.4	77.7	78.2	78.2	78.5	78.5
GE 6000	64.5	70.0	75.1	77.1	77.7	78.1	78.6	79.2	79.2	79.4	80.0	80.0	80.2	80.2
GE 5000	65.9	71.4	76.9	79.0	79.6	80.1	80.6	81.5	81.5	81.7	82.3	82.3	82.5	82.5
GE 4500	66.7	72.4	77.8	80.1	80.6	81.2	81.7	82.5	82.5	82.8	83.4	83.4	83.6	83.6
GE 4000	67.2	73.6	79.0	81.3	82.0	82.5	83.1	83.9	83.9	84.2	84.7	84.7	85.0	85.0
GE 3500	68.5	74.6	80.1	82.5	83.2	83.8	84.3	85.1	85.1	85.4	85.9	85.9	86.2	86.2
GE 3000	69.7	75.9	81.6	84.2	84.8	85.5	86.2	87.0	87.0	87.3	87.8	87.8	88.1	88.1
GE 2500	70.2	76.6	82.5	85.1	85.9	86.6	87.3	88.1	88.1	88.4	88.9	88.9	89.2	89.2
GE 2000	71.0	77.5	83.5	86.1	87.0	87.7	88.4	89.2	89.2	89.4	90.0	90.0	90.4	90.4
GE 1800	71.0	77.5	83.6	86.2	87.1	87.8	88.5	89.3	89.3	89.6	90.1	90.1	90.5	90.5
GE 1500	71.3	78.1	84.3	86.9	87.8	88.5	89.4	90.3	90.3	90.7	91.2	91.2	91.6	91.6
GE 1200	72.0	78.9	85.3	88.0	89.0	89.7	90.7	91.5	91.5	91.9	92.4	92.4	92.8	92.8
GE 1000	72.5	79.4	86.2	89.0	90.4	91.2	92.7	93.5	93.5	93.9	94.5	94.5	94.9	94.9
GE 900	72.5	79.4	86.6	89.4	90.8	91.6	93.1	93.9	93.9	94.3	94.9	94.9	95.3	95.3
GE 800	72.9	80.0	87.1	90.1	91.7	92.6	94.0	94.9	94.9	95.3	95.8	95.8	96.2	96.2
GE 700	73.5	80.5	88.0	90.9	92.6	93.4	94.9	95.7	95.7	96.1	96.6	96.6	97.0	97.0
GE 600	73.5	80.5	88.0	90.9	92.6	93.4	95.0	96.1	96.1	96.5	97.0	97.0	97.4	97.4
GE 500	73.5	80.6	88.2	91.3	93.0	93.8	95.5	96.6	96.6	97.2	97.7	97.7	98.2	98.2
GE 400	73.5	80.6	88.2	91.5	93.2	94.2	95.9	97.2	97.3	97.7	98.2	98.2	98.8	98.8
GE 300	73.5	80.6	88.4	91.5	93.4	94.5	96.2	97.4	97.6	98.1	98.6	98.6	99.1	99.1
GE 200	73.5	80.6	88.4	91.6	93.4	94.5	96.2	97.4	97.6	98.1	98.6	98.6	99.1	99.1
GE 100	73.5	80.6	88.4	91.6	93.4	94.5	96.2	97.4	97.6	98.1	98.6	98.6	99.1	99.1
GE 000	73.5	80.6	88.4	91.6	93.4	94.5	96.2	97.4	97.6	98.1	98.6	98.6	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 739



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: 06-08

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
53.9	54.3	54.7	55.2	55.3	55.3	55.6	56.0	56.0	56.3	56.3	56.3	56.3
59.5	59.9	60.4	60.9	61.2	61.2	61.4	62.0	62.0	62.2	62.2	62.2	62.2
59.5	59.9	60.4	60.9	61.2	61.2	61.4	62.0	62.0	62.2	62.2	62.2	62.2
59.5	59.9	60.4	60.9	61.2	61.2	61.4	62.0	62.0	62.2	62.2	62.2	62.2
60.5	61.2	61.6	62.1	62.4	62.4	62.7	63.2	63.2	63.5	63.5	63.5	63.5
64.1	64.5	65.0	65.5	65.9	65.9	66.2	66.7	66.7	67.0	67.0	67.0	67.0
70.4	70.0	70.4	70.9	71.3	71.3	71.6	72.1	72.1	72.4	72.4	72.4	72.4
70.3	70.4	70.3	71.3	71.7	71.7	72.0	72.5	72.5	72.8	72.8	72.8	72.8
74.7	75.2	75.6	76.2	76.7	76.7	77.0	77.5	77.5	77.8	77.8	77.8	77.8
76.4	75.9	76.3	76.9	77.4	77.4	77.7	78.2	78.2	78.5	78.5	78.5	78.5
77.1	77.7	78.1	78.6	79.2	79.2	79.4	80.0	80.0	80.2	80.2	80.2	80.2
82.0	82.6	83.1	83.6	84.1	84.1	84.4	85.0	85.0	85.3	85.3	85.3	85.3
80.1	80.6	81.2	81.7	82.5	82.5	82.8	83.4	83.4	83.6	83.6	83.6	83.6
81.3	82.0	82.5	83.1	83.9	83.9	84.2	84.7	84.7	85.0	85.0	85.0	85.0
82.5	83.2	83.8	84.3	85.1	85.1	85.4	85.9	85.9	86.2	86.2	86.2	86.2
84.2	84.8	85.5	86.2	87.0	87.0	87.3	87.8	87.8	88.1	88.1	88.1	88.1
88.1	88.9	89.6	90.3	91.0	91.0	91.3	91.9	91.9	92.2	92.2	92.2	92.2
88.1	87.0	87.7	88.4	89.2	89.2	89.4	90.0	90.0	90.4	90.4	90.4	90.4
88.2	87.1	87.8	88.5	89.3	89.3	89.6	90.1	90.1	90.5	90.5	90.5	90.5
88.9	87.8	88.5	89.4	90.3	90.3	90.7	91.2	91.2	91.6	91.6	91.6	91.6
89.0	89.0	89.7	90.7	91.5	91.5	91.9	92.4	92.4	92.8	92.8	92.8	92.8
90.0	90.4	91.2	92.7	93.5	93.5	93.9	94.5	94.5	94.9	94.9	94.9	94.9
90.4	90.8	91.6	93.1	93.9	93.9	94.3	94.9	94.9	95.3	95.3	95.3	95.3
90.1	91.7	92.6	94.0	94.9	94.9	95.3	95.8	95.8	96.2	96.2	96.2	96.2
90.9	92.6	93.4	94.9	95.7	95.7	96.1	96.6	96.6	97.0	97.0	97.0	97.0
90.9	92.6	93.4	95.0	96.1	96.1	96.5	97.0	97.0	97.4	97.4	97.4	97.4
91.3	93.0	93.8	95.5	96.6	96.6	97.2	97.7	97.7	98.2	98.2	98.2	98.2
91.5	93.2	94.2	95.9	97.2	97.3	97.7	98.2	98.2	98.8	98.8	98.8	98.8
91.5	93.4	94.5	96.2	97.4	97.6	98.1	99.1	99.1	99.6	99.6	99.6	99.6
91.6	93.4	94.5	96.2	97.4	97.6	98.1	99.2	99.2	99.7	99.7	99.9	99.9
91.6	93.4	94.5	96.2	97.4	97.6	98.1	99.2	99.2	99.9	99.9	100.0	100.0
91.6	93.4	94.5	96.2	97.4	97.6	98.1	99.2	99.2	99.9	99.9	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI-  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUL HOURS: 09-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	49.0	51.0	52.9	54.0	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 20000	57.1	59.8	62.0	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 18000	57.1	59.8	62.0	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 16000	57.1	59.8	62.0	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 14000	57.9	60.6	62.8	64.2	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 12000	60.0	63.1	65.3	66.8	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 10000	63.1	66.6	69.1	70.6	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 9000	63.6	67.2	69.7	71.2	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 8000	67.1	70.8	73.4	74.9	75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 7000	68.2	71.9	74.6	76.3	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 6000	69.3	73.2	75.8	77.5	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 5000	70.5	74.6	77.6	79.4	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 4500	71.0	75.0	78.0	79.9	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4000	72.2	76.3	79.2	81.2	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3500	73.4	77.7	80.7	82.8	83.6	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 3000	76.5	81.2	84.2	86.2	87.3	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	78.4	83.2	86.2	88.2	89.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	80.1	85.1	88.5	90.6	91.9	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800	80.5	85.5	88.8	90.9	92.3	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	81.4	86.4	89.8	91.9	93.2	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	82.4	87.6	91.0	93.2	94.6	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5
GE 1000	82.7	88.4	91.9	94.2	95.9	96.2	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	82.8	88.6	92.3	94.6	96.3	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	82.8	88.6	92.3	94.7	96.4	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	83.0	88.9	92.8	95.3	97.1	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	83.0	89.0	93.0	95.4	97.3	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	83.0	89.0	93.0	95.4	97.3	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	83.1	89.1	93.1	95.5	97.5	98.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	83.1	89.1	93.1	95.5	97.5	98.0	99.2	99.5	99.5	99.6	99.6	99.6	99.6
GE 200	83.1	89.1	93.1	95.5	97.5	98.0	99.3	99.6	99.6	99.7	99.8	99.8	99.8
GE 100	83.1	89.1	93.1	95.5	97.5	98.0	99.3	99.6	99.6	99.7	99.8	99.8	100
GE 000	83.1	89.1	93.1	95.5	97.5	98.0	99.3	99.6	99.6	99.7	99.8	99.8	100

TOTAL NUMBER OF OBSERVATIONS 1137

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: 09-11

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
75.6	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
83.6	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
87.3	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
89.4	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
91.9	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
92.3	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
93.2	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
94.5	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
95.9	96.2	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
96.3	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
96.4	96.7	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.1	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
97.3	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
97.3	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
97.5	98.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
97.5	98.0	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
97.5	98.0	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
97.5	98.0	99.3	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
97.5	98.0	99.3	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	48.6	49.7	50.9	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 20000	60.3	62.0	63.4	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 18000	60.3	62.0	63.4	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 16000	60.6	62.2	63.7	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 14000	61.3	62.9	64.6	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	63.4	65.3	67.0	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 10000	67.0	69.1	70.9	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 9000	67.5	69.5	71.3	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 8000	71.0	73.3	75.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	71.7	74.0	75.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 6000	72.6	74.9	77.1	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 5000	73.9	76.3	78.6	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4500	75.0	77.5	79.3	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	77.0	79.8	82.3	83.3	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	78.6	81.7	84.2	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3000	83.2	86.5	89.1	90.4	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2500	86.0	89.4	92.0	93.5	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	87.3	90.6	93.4	94.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	87.3	90.7	93.5	94.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1500	88.0	91.3	94.2	95.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	88.2	91.8	94.8	96.2	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	88.6	92.2	95.2	96.8	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	88.6	92.2	95.2	96.9	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	88.6	92.2	95.2	96.9	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	88.6	92.2	95.2	96.9	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	88.7	92.3	95.3	97.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	88.7	92.3	95.3	97.0	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 400	88.7	92.3	95.3	97.0	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 300	88.7	92.4	95.4	97.1	99.0	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	88.7	92.4	95.4	97.1	99.0	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	88.7	92.4	95.4	97.1	99.0	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9
GE 000	88.7	92.4	95.4	97.1	99.0	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1146

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AF: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: 12-14

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: JUL HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	54.7	56.2	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	66.0	68.0	69.1	69.6	69.6	69.8	69.8	69.8	69.9	69.8	69.8	69.8
GE 18000	66.0	68.0	69.1	69.6	69.6	69.8	69.8	69.8	69.9	69.8	69.8	69.8
GE 16000	66.1	68.2	69.2	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	66.6	68.9	70.1	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 12000	69.1	71.6	72.7	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 10000	72.6	75.2	76.5	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	73.3	76.0	77.3	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 8000	75.8	78.7	80.5	81.4	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 7000	76.4	79.3	81.1	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 6000	77.7	80.8	82.8	83.7	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 5000	78.7	81.8	83.9	84.3	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4500	79.2	82.3	84.3	85.2	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4000	81.7	84.9	87.2	88.3	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	83.3	86.7	89.1	90.2	90.9	91.2	91.3	91.5	91.5	91.5	91.5	91.5
GE 3000	85.2	89.1	91.8	93.1	93.8	94.1	94.4	94.6	94.6	94.6	94.6	94.6
GE 2500	86.5	90.5	93.4	94.7	95.6	95.9	96.2	96.3	96.3	96.3	96.3	96.3
GE 2000	87.1	91.3	94.4	95.7	96.8	97.2	97.5	97.7	97.7	97.7	97.7	97.7
GE 1800	87.2	91.5	94.6	95.9	96.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8
GE 1500	87.4	91.6	95.0	96.3	97.5	97.9	98.2	98.4	98.4	98.5	98.5	98.5
GE 1200	87.4	91.6	95.0	96.3	97.5	97.9	98.2	98.4	98.4	98.5	98.5	98.5
GE 1000	87.4	91.6	95.2	96.5	97.7	98.1	98.4	98.5	98.5	98.7	98.7	98.7
GE 900	87.4	91.9	95.5	96.8	97.9	98.4	98.7	98.8	98.8	99.0	99.0	99.0
GE 800	87.4	92.2	95.7	97.1	98.2	98.7	99.0	99.1	99.1	99.3	99.3	99.3
GE 700	87.4	92.2	95.7	97.1	98.2	98.7	99.0	99.1	99.1	99.3	99.3	99.3
GE 600	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.3	99.3	99.6	99.6	99.6
GE 500	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.4	99.4	99.7	99.7	99.7
GE 400	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.4	99.4	99.7	99.7	99.7
GE 300	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.4	99.4	99.7	99.7	99.7
GE 200	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.4	99.4	99.7	99.7	99.7
GE 100	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.4	99.4	99.7	99.7	99.7
GE 000	87.4	92.2	95.7	97.1	98.4	98.8	99.1	99.4	99.4	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 682

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

ME: VOLK FLD ANGB WI  
1: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: 15-17

[illegible]

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUL HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES												
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	49.5	51.3	53.0	53.8	54.0	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4
GE 20000	58.5	61.0	63.0	64.3	64.3	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.7
GE 18000	58.5	61.0	63.0	64.0	64.3	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.7
GE 16000	58.5	61.1	63.1	64.1	64.4	64.5	64.6	64.7	64.7	64.7	64.8	64.8	64.8
GE 14000	59.3	61.9	64.0	65.0	65.3	65.4	65.6	65.6	65.6	65.7	65.8	65.8	65.8
GE 12000	61.6	64.4	66.6	67.3	68.1	68.3	68.4	68.5	68.5	68.5	68.6	68.6	68.6
GE 10000	65.1	68.3	70.7	71.9	72.3	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.8
GE 9000	65.7	68.8	71.2	72.5	72.9	73.0	73.1	73.2	73.2	73.3	73.4	73.4	73.4
GE 8000	69.1	72.5	75.1	76.5	77.0	77.2	77.3	77.4	77.4	77.5	77.6	77.6	77.6
GE 7000	69.8	73.2	75.9	77.3	77.9	78.0	78.2	78.3	78.3	78.3	78.5	78.5	78.5
GE 6000	70.9	74.5	77.4	78.5	79.3	79.5	79.7	79.8	79.8	79.9	79.9	79.9	79.9
GE 5000	72.2	75.8	78.9	80.4	81.0	81.3	81.5	81.6	81.6	81.7	81.9	81.9	81.9
GE 4500	72.9	76.6	79.7	81.2	81.9	82.1	82.3	82.4	82.4	82.5	82.6	82.6	82.6
GE 4000	74.5	78.4	81.6	83.2	83.9	84.1	84.3	84.4	84.4	84.5	84.6	84.6	84.6
GE 3500	75.9	80.0	83.2	84.9	85.6	85.8	86.0	86.2	86.2	86.2	86.3	86.3	86.3
GE 3000	78.8	83.2	86.6	88.4	89.2	89.5	89.8	90.0	90.0	90.0	90.1	90.1	90.1
GE 2500	80.6	85.1	88.6	90.4	91.4	91.8	92.0	92.3	92.3	92.3	92.4	92.4	92.4
GE 2000	81.8	86.4	90.1	92.0	93.1	93.5	93.8	94.0	94.0	94.1	94.2	94.2	94.2
GE 1800	82.0	86.6	90.3	92.1	93.3	93.7	94.0	94.2	94.2	94.2	94.4	94.4	94.4
GE 1500	82.5	87.2	91.0	92.9	94.2	94.6	95.0	95.2	95.2	95.3	95.4	95.4	95.4
GE 1200	83.0	87.9	91.8	93.7	95.0	95.5	95.9	96.1	96.1	96.2	96.3	96.3	96.3
GE 1000	83.3	88.4	92.4	94.4	95.9	96.4	97.0	97.2	97.2	97.4	97.5	97.5	97.5
GE 900	83.4	88.5	92.7	94.7	96.2	96.7	97.3	97.5	97.5	97.7	97.8	97.8	97.8
GE 800	83.5	88.7	92.8	94.9	96.5	97.0	97.6	97.9	97.9	98.0	98.1	98.1	98.1
GE 700	83.6	88.9	93.1	95.2	96.9	97.4	98.0	98.3	98.3	98.4	98.5	98.5	98.5
GE 600	83.7	88.9	93.2	95.3	97.1	97.6	98.3	98.6	98.6	98.8	98.9	98.9	98.9
GE 500	83.7	89.0	93.3	95.4	97.1	97.7	98.4	98.8	98.8	99.0	99.1	99.1	99.1
GE 400	83.7	89.0	93.3	95.5	97.3	97.8	98.6	99.0	99.1	99.2	99.3	99.3	99.3
GE 300	83.7	89.0	93.3	95.5	97.3	97.9	98.7	99.1	99.2	99.4	99.6	99.6	99.6
GE 200	83.7	89.0	93.3	95.5	97.3	97.9	98.7	99.1	99.2	99.4	99.7	99.7	99.7
GE 100	83.7	89.0	93.3	95.5	97.3	97.9	98.7	99.1	99.2	99.4	99.7	99.7	99.7
GE 000	83.7	89.0	93.3	95.5	97.3	97.9	98.7	99.1	99.2	99.4	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 3704



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
CS: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL HOURS: ALL

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
54.0	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.5
64.3	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.8
64.3	64.4	64.5	64.6	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.8
64.4	64.5	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9	64.9	64.9
65.3	65.4	65.6	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8
68.1	68.3	68.4	68.5	68.5	68.5	68.6	68.6	68.7	68.7	68.7	68.7
72.3	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9
72.8	73.0	73.1	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4
77.0	77.2	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6
77.9	78.0	78.2	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
79.3	79.5	79.7	79.8	79.8	79.8	79.9	79.9	80.0	80.0	80.0	80.0
81.0	81.3	81.5	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
81.9	82.1	82.3	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6
83.9	84.1	84.3	84.4	84.4	84.5	84.6	84.6	84.7	84.7	84.7	84.7
85.6	85.8	86.0	86.2	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4
89.2	89.5	89.8	90.0	90.0	90.0	90.1	90.1	90.2	90.2	90.2	90.2
91.4	91.8	92.0	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5
93.1	93.5	93.8	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
93.3	93.7	94.0	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
94.2	94.6	95.0	95.2	95.2	95.3	95.4	95.4	95.5	95.5	95.5	95.5
95.0	95.5	95.9	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4
95.9	96.4	97.0	97.2	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6
96.2	96.7	97.3	97.5	97.5	97.7	97.8	97.8	97.9	97.9	97.9	97.9
96.5	97.0	97.6	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2
96.9	97.4	98.0	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
97.1	97.6	98.3	98.6	98.6	98.8	98.9	98.9	99.0	99.0	99.0	99.0
97.1	97.7	98.4	98.8	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2
97.3	97.8	98.6	99.0	99.1	99.2	99.3	99.3	99.5	99.5	99.5	99.5
97.3	97.9	98.7	99.1	99.2	99.4	99.6	99.6	99.7	99.7	99.8	99.8
97.3	97.9	98.7	99.1	99.2	99.4	99.7	99.7	99.8	99.8	99.9	99.9
97.3	97.9	98.7	99.1	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0
97.3	97.9	98.7	99.1	99.2	99.4	99.7	99.7	99.9	99.9	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL  
MONTH: AUG HOURS: 06-09

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	3
NO CEIL	36.9	38.7	42.3	44.2	45.7	45.9	46.6	47.1	47.5	47.6	47.7	47.7	47.9	4
GE 20000	41.5	43.9	47.9	50.5	52.3	52.7	53.3	53.8	54.2	54.3	54.6	54.6	54.7	5
GE 18000	41.5	43.9	47.9	50.5	52.3	52.7	53.3	53.8	54.2	54.3	54.6	54.6	54.7	5
GE 16000	41.5	43.9	47.9	50.5	52.3	52.7	53.3	53.8	54.2	54.3	54.6	54.6	54.7	5
GE 14000	41.9	44.4	48.4	51.0	52.9	53.3	53.9	54.5	54.9	55.0	55.2	55.2	55.5	5
GE 12000	43.2	45.9	50.5	53.2	55.5	55.9	56.7	57.2	57.6	57.7	58.0	58.0	58.2	5
GE 10000	45.8	49.0	54.1	57.1	59.5	59.9	60.7	61.2	61.6	62.0	62.2	62.2	62.5	6
GE 9000	45.1	49.4	54.5	57.4	60.0	60.4	61.2	61.7	62.1	62.5	62.7	62.7	63.1	6
GE 8000	48.9	52.5	57.7	60.8	63.6	64.2	64.9	65.5	65.8	66.2	66.5	66.5	67.0	6
GE 7000	49.7	53.3	58.6	62.4	65.2	65.7	66.5	67.0	67.4	67.8	68.0	68.0	68.6	6
GE 6000	50.6	54.2	60.0	64.0	67.1	67.7	68.4	69.0	69.3	69.7	70.0	70.0	70.5	7
GE 5000	51.7	55.5	61.4	65.6	69.3	69.3	70.1	70.6	71.0	71.4	71.7	71.7	72.2	7
GE 4500	52.5	56.4	62.4	66.8	70.0	70.5	71.9	72.4	72.8	73.2	73.5	73.5	74.0	7
GE 4000	54.1	58.2	64.3	69.0	72.2	73.1	74.5	75.2	75.5	76.1	76.3	76.3	76.8	7
GE 3500	54.9	59.2	65.3	70.0	73.2	74.1	75.5	76.2	76.6	77.1	77.4	77.4	77.9	7
GE 3000	55.3	60.5	67.0	71.7	75.0	75.9	77.4	78.1	78.5	79.0	79.4	79.4	79.9	7
GE 2500	56.8	61.6	68.0	72.7	76.1	77.1	78.5	79.3	79.7	80.2	80.6	80.6	81.1	8
GE 2000	57.3	63.5	70.5	75.3	78.7	79.3	81.4	82.1	82.5	83.1	83.6	83.6	84.1	8
GE 1800	58.0	63.8	70.9	75.3	79.2	80.3	81.9	82.7	83.1	83.5	84.1	84.1	84.6	8
GE 1500	58.5	64.4	71.5	76.6	80.1	81.5	83.1	83.8	84.2	84.9	85.4	85.4	85.9	8
GE 1200	59.5	65.6	72.8	78.1	82.0	83.4	85.1	86.2	86.5	87.2	87.8	87.8	88.4	8
GE 1000	60.4	66.5	74.0	79.3	83.6	85.0	87.1	88.1	88.5	89.1	89.8	89.8	90.3	9
GE 900	60.5	66.6	74.1	79.5	84.1	85.5	87.6	88.9	89.3	89.9	90.6	90.6	91.1	9
GE 800	60.9	67.0	74.6	80.2	84.9	86.4	88.5	89.9	90.3	90.9	91.6	91.6	92.1	9
GE 700	61.1	67.1	75.0	80.6	85.3	86.8	88.9	90.6	90.9	91.6	92.2	92.2	92.8	9
GE 600	61.2	67.4	75.4	81.1	85.9	87.5	89.9	91.7	92.1	92.9	93.5	93.5	94.0	9
GE 500	61.2	67.5	75.7	81.5	87.1	88.6	91.1	93.9	94.3	95.2	96.1	96.1	96.6	9
GE 400	61.3	67.7	75.8	81.6	87.2	88.7	91.2	94.3	94.7	95.6	96.8	96.8	97.3	9
GE 300	61.3	67.7	75.9	81.9	87.5	89.0	91.5	94.7	95.3	96.7	97.7	97.7	98.2	9
GE 200	61.3	67.7	75.9	81.9	87.7	89.3	91.7	95.0	95.6	96.5	98.3	98.3	99.0	9
GE 100	61.3	67.7	75.9	81.9	87.7	89.3	91.7	95.0	95.6	96.5	98.4	98.4	99.1	9
GE 000	61.3	67.7	75.9	81.9	87.7	89.3	91.7	95.0	95.6	96.5	98.4	98.4	99.1	9

TOTAL NUMBER OF OBSERVATIONS 773

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG HOURS: 06-09

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
45.7	45.9	46.6	47.1	47.5	47.6	47.7	47.7	47.9	48.0	48.1	48.1
52.3	52.7	53.3	53.8	54.2	54.3	54.6	54.6	54.7	54.9	55.0	55.0
52.3	52.7	53.3	53.8	54.2	54.3	54.6	54.6	54.7	54.9	55.0	55.0
52.3	52.7	53.3	53.8	54.2	54.3	54.6	54.6	54.7	54.9	55.0	55.0
52.9	53.3	53.9	54.5	54.9	55.0	55.2	55.2	55.5	55.6	55.9	55.8
55.5	55.9	56.7	57.2	57.6	57.7	58.0	58.0	58.2	58.3	58.5	58.5
59.5	59.9	60.7	61.2	61.6	62.0	62.2	62.2	62.6	62.7	62.9	62.9
60.0	60.4	61.2	61.7	62.1	62.5	62.7	62.7	63.1	63.3	63.4	63.4
63.6	64.2	64.9	65.5	65.8	66.2	66.5	66.5	67.0	67.1	67.3	67.3
65.2	65.7	65.5	67.0	67.4	67.9	68.0	68.0	68.6	68.7	68.8	68.8
67.1	67.7	68.4	69.0	69.3	69.7	70.0	70.0	70.5	70.6	70.8	70.8
70.9	70.5	71.9	72.4	72.8	73.2	73.5	73.5	74.0	74.1	74.3	74.3
72.2	73.1	74.5	75.2	75.5	76.1	76.3	76.3	76.8	77.0	77.1	77.1
73.2	74.1	75.5	76.2	76.6	77.1	77.4	77.4	77.9	78.0	78.1	78.1
75.0	75.9	77.4	78.1	78.5	79.0	79.4	79.4	79.9	80.1	80.2	80.2
76.1	77.1	78.5	79.3	79.7	80.2	80.6	80.6	81.1	81.2	81.4	81.4
77.7	79.3	81.4	82.1	82.5	83.1	83.6	83.6	84.1	84.2	84.3	84.3
79.2	80.3	81.9	82.7	83.1	83.6	84.1	84.1	84.6	84.7	84.9	84.9
80.1	81.5	83.1	83.8	84.2	84.9	85.4	85.4	85.9	86.0	86.2	86.2
82.0	83.4	85.1	86.2	86.5	87.2	87.8	87.8	88.4	88.5	88.6	88.6
83.6	85.0	87.1	88.1	88.5	89.1	89.8	89.8	90.3	90.4	90.6	90.6
84.1	85.5	87.6	88.9	89.3	89.9	90.6	90.6	91.1	91.2	91.3	91.3
84.9	86.4	88.5	89.9	90.3	90.9	91.6	91.6	92.1	92.2	92.4	92.4
85.3	86.8	88.9	90.6	90.9	91.6	92.2	92.2	92.8	92.9	93.0	93.0
85.9	87.5	89.9	91.7	92.1	92.9	93.5	93.5	94.0	94.2	94.3	94.3
87.1	88.6	91.1	93.9	94.3	95.2	96.1	96.1	96.6	96.8	96.9	97.0
87.2	88.7	91.2	94.3	94.7	95.6	96.8	96.8	97.3	97.4	97.5	97.7
87.5	89.0	91.5	94.7	95.3	96.2	97.7	97.7	98.2	98.3	98.4	98.7
87.7	89.3	91.7	95.0	95.6	96.5	98.3	98.3	99.0	99.1	99.2	99.5
87.7	89.3	91.7	95.0	95.6	96.5	98.4	98.4	99.1	99.2	99.6	99.9
87.7	89.3	91.7	95.0	95.6	96.5	98.4	98.4	99.1	99.2	99.7	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	42.9	44.5	46.5	47.1	47.7	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0
GE 20000	48.8	51.3	53.7	54.6	55.3	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	48.4	51.4	53.8	54.7	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	48.9	51.4	53.8	54.7	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	49.5	52.1	54.6	55.6	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 12000	51.5	54.1	56.9	58.1	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	55.7	58.6	61.6	62.8	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	56.4	59.3	62.3	63.7	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	58.9	62.0	65.6	67.2	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	59.9	63.2	67.0	68.8	69.3	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 6000	60.9	64.2	68.2	70.0	71.1	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5
GE 5000	62.0	65.4	69.3	71.3	72.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	62.5	65.9	69.8	71.9	73.2	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6
GE 4000	63.7	67.3	71.3	73.7	74.9	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4
GE 3500	65.3	68.9	73.0	75.4	76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1
GE 3000	67.3	71.0	75.5	78.0	79.4	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 2500	69.3	73.3	77.9	80.5	81.9	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8
GE 2000	72.1	76.6	81.7	84.5	86.0	86.5	87.1	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	72.5	77.0	82.2	85.0	86.6	87.1	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 1500	73.5	78.1	83.4	86.3	88.1	88.6	89.3	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	75.4	80.1	85.5	88.7	90.8	91.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5
GE 1000	76.0	80.8	86.4	89.9	92.1	92.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	76.2	81.1	87.0	90.5	93.1	93.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 800	76.6	81.6	87.7	91.2	93.9	94.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 700	76.9	82.0	88.1	91.6	94.3	94.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	76.9	82.1	88.5	92.0	94.7	95.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 500	76.9	82.4	88.8	92.3	95.4	96.1	97.9	98.4	98.4	98.5	98.6	98.6	98.6
GE 400	77.0	82.5	89.1	92.6	95.8	96.5	98.4	99.0	99.0	99.2	99.3	99.4	99.4
GE 300	77.1	82.5	89.2	92.7	96.0	96.7	98.6	99.2	99.2	99.3	99.7	99.8	99.8
GE 200	77.1	82.5	89.2	92.7	96.0	96.7	98.6	99.2	99.2	99.4	99.9	100.0	100.0
GE 100	77.1	82.5	89.2	92.7	96.0	96.7	98.6	99.2	99.2	99.4	99.9	100.0	100.0
GE 000	77.1	82.5	89.2	92.7	96.0	96.7	98.6	99.2	99.2	99.4	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1197

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG HOURS: 09-11

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
47.7	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
55.3	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
69.3	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
71.1	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
72.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
73.2	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
74.9	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
79.4	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
81.9	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
86.0	86.5	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
85.6	87.1	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
88.1	88.6	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
90.8	91.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
92.1	92.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
93.1	93.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
93.9	94.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
94.3	94.9	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
94.7	95.2	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
95.4	96.1	97.9	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
95.8	96.5	98.4	99.0	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4
96.0	96.7	98.6	99.2	99.2	99.3	99.7	99.8	99.8	99.8	99.8	99.8
96.0	96.7	98.6	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0
96.0	96.7	98.6	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0
96.0	96.7	98.6	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725435

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: AUG HOURS: 12-

CEILING	VISIBILITY IN STATUTE MILES												
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1
NO CEIL	44.8	46.9	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	4
GE 20000	55.0	58.2	59.5	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	5
GE 18000	55.2	58.4	59.8	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	6
GE 16000	55.3	58.5	59.8	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	6
GE 14000	56.0	59.2	60.5	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	6
GE 12000	57.5	60.8	62.2	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	6
GE 10000	60.8	64.7	66.3	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	6
GE 9000	61.4	65.3	66.9	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	6
GE 8000	65.0	69.1	70.8	71.2	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	7
GE 7000	66.2	70.3	72.3	72.8	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	7
GE 6000	67.3	71.5	73.5	74.1	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	7
GE 5000	68.0	72.5	74.6	75.3	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	7
GE 4500	69.2	73.9	76.1	76.9	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	7
GE 4000	69.8	74.8	77.2	78.0	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	7
GE 3500	71.8	76.7	79.1	80.0	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	7
GE 3000	75.2	80.2	83.2	84.0	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	7
GE 2500	77.9	83.1	86.1	86.9	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	7
GE 2000	81.2	86.8	90.4	91.5	92.3	92.5	92.7	92.9	92.9	92.9	92.9	92.9	7
GE 1800	81.6	87.2	90.7	91.8	92.6	92.9	93.0	93.2	93.2	93.2	93.2	93.2	7
GE 1500	82.0	87.8	91.5	92.5	93.4	93.6	93.8	94.0	94.0	94.0	94.0	94.0	7
GE 1200	82.7	88.7	92.4	93.8	95.0	95.2	95.4	95.6	95.6	95.6	95.6	95.6	7
GE 1000	82.8	88.9	92.6	94.1	95.3	95.6	95.7	95.9	95.9	95.9	95.9	95.9	7
GE 900	83.2	89.3	93.0	94.6	95.9	96.1	96.4	96.6	96.6	96.6	96.6	96.6	7
GE 800	83.4	89.5	93.3	95.0	96.4	96.6	96.9	97.1	97.1	97.1	97.1	97.1	7
GE 700	83.6	89.8	93.5	95.3	96.9	97.2	97.4	97.7	97.7	97.7	97.7	97.7	7
GE 600	83.6	89.8	93.5	95.5	97.2	97.5	97.8	98.2	98.2	98.2	98.2	98.2	7
GE 500	83.6	89.8	93.7	96.0	97.9	98.4	98.7	99.4	99.4	99.4	99.4	99.4	7
GE 400	83.7	89.9	93.8	96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.7	7
GE 300	83.7	89.9	93.8	96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.7	100
GE 200	83.7	89.9	93.8	96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.7	100
GE 100	83.7	89.9	93.8	96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.7	100
GE 000	83.7	89.9	93.8	96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.7	100

TOTAL NUMBER OF OBSERVATIONS 1193

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANG3 WI  
TIME TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG HOURS: 12-14

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GF 0
48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
59.3	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
71.2	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
72.8	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
74.1	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
75.3	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
76.7	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
78.0	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
80.0	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
84.0	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
88.9	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
91.5	92.3	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
91.8	92.6	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
92.5	93.4	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
93.8	95.0	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
94.1	95.3	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
94.5	95.9	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
95.0	96.4	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
95.3	96.9	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
95.5	97.2	97.5	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
96.0	97.9	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0
96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0
96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0
96.1	98.1	98.6	99.1	99.7	99.7	99.7	99.7	99.8	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSU  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: AUG HOUR

CEILING	VISIBILITY IN STATUTE MILES											
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	45.2	47.1	47.5	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 20000	53.6	56.1	57.0	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 18000	54.1	56.5	57.4	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 16000	54.5	57.0	57.8	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 14000	55.1	57.7	58.5	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	57.7	60.3	61.2	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 10000	62.6	65.7	67.0	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 9000	63.0	66.1	67.4	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 8000	65.9	70.0	71.6	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 7000	67.1	71.3	72.9	73.2	73.6	73.8	73.8	73.9	73.9	73.9	73.9	73.9
GE 6000	69.3	73.8	75.7	75.9	76.4	76.5	76.5	76.7	76.7	76.7	76.7	76.7
GE 5000	71.0	75.7	77.5	78.0	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7
GE 4500	72.2	76.8	78.7	79.3	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.0
GE 4000	74.7	79.7	81.7	82.3	82.9	83.0	83.0	83.2	83.2	83.2	83.2	83.2
GE 3500	76.4	81.2	83.2	83.8	84.3	84.5	84.5	84.6	84.6	84.6	84.6	84.6
GE 3000	80.6	85.4	88.0	88.6	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4
GE 2500	82.0	87.2	89.9	90.4	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4
GE 2000	84.2	89.4	92.3	92.9	93.6	93.8	93.9	94.1	94.1	94.1	94.1	94.1
GE 1800	84.2	89.6	92.5	93.2	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3
GE 1500	84.2	90.0	93.0	93.8	94.5	94.6	94.9	95.1	95.1	95.1	95.1	95.1
GE 1200	84.8	90.7	93.9	94.6	95.5	95.7	96.2	96.4	96.4	96.4	96.4	96.4
GE 1000	85.4	91.3	94.5	95.2	95.1	96.2	96.3	97.0	97.0	97.0	97.0	97.0
GE 900	85.4	91.3	94.5	95.2	95.2	96.4	97.1	97.2	97.2	97.2	97.2	97.2
GE 800	85.7	91.6	94.8	95.7	95.7	96.8	97.5	97.5	97.8	98.0	98.0	98.0
GE 700	85.9	91.9	95.2	96.1	97.2	97.4	98.1	98.4	98.4	98.6	98.6	98.6
GE 600	85.9	91.9	95.2	96.1	97.2	97.5	98.3	98.5	98.5	98.7	98.7	98.7
GE 500	85.9	91.9	95.2	96.4	97.0	98.1	98.3	99.3	99.3	99.4	99.4	99.4
GE 400	85.9	91.9	95.2	96.4	98.0	98.3	99.0	99.6	99.6	99.7	99.7	99.7
GE 300	85.9	91.9	95.2	96.4	98.0	98.3	99.0	99.7	99.7	99.9	99.9	99.9
GE 200	85.9	91.9	95.2	96.4	98.0	98.3	99.0	99.7	99.7	99.9	99.9	99.9
GE 100	85.9	91.9	95.2	96.4	98.0	98.3	99.0	99.7	99.7	99.9	99.9	99.9
GE 000	85.9	91.9	95.2	96.4	98.0	98.3	99.0	99.7	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 690



## FROM HOURLY OBSERVATIONS

$$10: + 6$$

MONTH: AUG HOURS: 15-17

VISIBILITY IN STATUTE MILES

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: ALL  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	42.7	44.6	46.2	46.9	47.5	47.5	47.7	47.8	47.9	47.9	48.0	48.0
GE 20000	50.1	52.8	54.9	55.9	56.6	56.7	56.8	57.0	57.0	57.1	57.1	57.1
GE 18000	50.3	53.0	55.1	56.0	56.8	56.8	57.0	57.2	57.2	57.3	57.3	57.3
GE 16000	50.4	53.1	55.2	56.1	56.9	56.9	57.1	57.3	57.3	57.4	57.4	57.4
GE 14000	51.0	53.3	55.9	56.9	57.7	57.8	58.0	58.1	58.2	58.2	58.2	58.2
GE 12000	52.9	55.5	58.0	59.0	60.0	60.1	60.3	60.4	60.5	60.5	60.6	60.6
GE 10000	56.5	59.8	62.5	63.6	64.6	64.7	64.9	65.0	65.1	65.1	65.2	65.2
GE 9000	57.0	60.4	63.1	64.2	65.2	65.3	65.5	65.6	65.7	65.8	65.8	65.8
GE 8000	60.0	63.7	66.7	68.0	69.1	69.2	69.5	69.6	69.7	69.8	69.8	69.8
GE 7000	61.1	64.9	68.0	69.6	70.6	70.9	71.1	71.2	71.3	71.4	71.5	71.5
GE 6000	62.3	66.2	69.5	71.1	72.3	72.6	72.8	73.0	73.0	73.1	73.2	73.2
GE 5000	63.4	67.5	70.9	72.5	73.8	74.1	74.3	74.5	74.5	74.6	74.7	74.7
GE 4500	64.3	68.4	71.9	73.8	75.0	75.3	75.6	75.8	75.9	75.9	76.0	76.0
GE 4000	65.7	70.0	73.6	75.6	76.9	77.2	77.6	77.8	77.9	78.0	78.0	78.0
GE 3500	67.2	71.6	75.2	77.2	78.5	78.9	79.2	79.4	79.5	79.6	79.7	79.7
GE 3000	69.8	74.3	78.4	80.5	81.9	82.2	82.6	82.8	82.9	83.0	83.1	83.1
GE 2500	71.7	76.5	80.6	82.7	84.1	84.6	85.1	85.3	85.3	85.4	85.5	85.5
GE 2000	74.2	79.4	84.0	86.3	87.9	88.3	88.7	89.2	89.3	89.4	89.5	89.5
GE 1800	74.5	79.8	84.4	86.7	88.3	88.8	89.4	89.6	89.7	89.8	89.9	89.9
GE 1500	75.0	80.5	85.2	87.6	89.3	89.8	90.4	90.7	90.8	90.9	91.0	91.0
GE 1200	76.2	81.8	86.6	89.2	91.2	91.7	92.6	92.9	92.9	93.1	93.2	93.2
GE 1000	76.7	82.3	87.3	90.0	92.1	92.7	93.6	93.9	94.0	94.1	94.2	94.2
GE 900	76.9	82.5	87.6	90.4	92.7	93.3	94.3	94.7	94.7	94.9	95.0	95.0
GE 800	77.2	82.9	88.1	91.0	93.4	94.0	95.0	95.4	95.5	95.6	95.8	95.8
GE 700	77.4	83.2	88.5	91.4	93.8	94.4	95.5	96.0	96.1	96.3	96.4	96.4
GE 600	77.4	83.3	88.6	91.6	94.1	94.8	96.0	96.5	96.6	96.8	96.9	96.9
GE 500	77.4	83.4	88.8	92.0	94.9	95.7	97.0	98.0	98.1	98.3	98.5	98.5
GE 400	77.5	83.5	89.0	92.2	95.2	95.9	97.3	98.4	98.5	98.7	99.0	99.0
GE 300	77.5	83.5	89.0	92.2	95.3	96.0	97.4	98.5	98.7	98.9	99.4	99.4
GE 200	77.5	83.5	89.0	92.2	95.3	96.1	97.4	98.6	98.8	99.0	99.6	99.6
GE 100	77.5	83.5	89.0	92.2	95.3	96.1	97.4	98.6	98.8	99.0	99.6	99.6
GE 000	77.5	83.5	89.0	92.2	95.3	96.1	97.4	98.6	98.8	99.0	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 3853

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG3 MI  
ST: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTHS: ALL HOURS: ALL

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
47.5	47.5	47.7	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0
56.6	56.7	56.8	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2
56.8	56.8	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.4	57.4	57.4
56.9	56.9	57.1	57.3	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.5
57.7	57.8	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
60.0	60.1	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.7	60.7
64.6	64.7	64.9	65.0	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3
65.2	65.3	65.5	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9
69.1	69.2	69.5	69.6	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0
70.6	70.9	71.1	71.2	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.6
72.3	72.6	72.8	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3
73.8	74.1	74.3	74.5	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.8
75.0	75.3	75.6	75.8	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.1
76.9	77.2	77.6	77.8	77.9	78.0	78.0	78.0	78.1	78.1	78.2	78.2
78.5	78.9	79.2	79.4	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.8
81.9	82.2	82.6	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.2	83.2
84.1	84.6	85.1	85.3	85.3	85.4	85.5	85.5	85.6	85.6	85.7	85.7
87.9	88.3	88.9	89.2	89.3	89.4	89.5	89.5	89.6	89.6	89.6	89.6
89.3	89.8	90.4	90.6	90.7	90.8	90.9	90.9	91.0	91.0	91.1	91.1
91.2	91.7	92.6	92.9	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4
92.1	92.7	93.6	93.9	94.0	94.1	94.2	94.2	94.3	94.4	94.4	94.4
92.7	93.3	94.3	94.7	94.7	94.9	95.0	95.0	95.1	95.1	95.1	95.1
93.4	94.0	95.0	95.4	95.5	95.6	95.8	95.8	95.9	95.9	95.9	95.9
93.8	94.4	95.5	96.0	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5
94.1	94.8	96.0	96.5	96.6	96.8	96.9	96.9	97.0	97.1	97.1	97.1
94.9	95.7	97.0	98.0	98.1	98.3	98.5	98.5	98.6	98.6	98.7	98.7
95.2	95.9	97.3	98.4	98.5	98.7	99.0	99.0	99.1	99.2	99.2	99.2
95.3	96.0	97.4	98.5	98.7	98.9	99.4	99.4	99.5	99.5	99.5	99.7
95.3	96.1	97.4	98.6	98.8	99.0	99.6	99.6	99.8	99.8	99.8	99.9
95.3	96.1	97.4	98.6	98.8	99.0	99.6	99.6	99.8	99.8	99.9	100.0
95.3	96.1	97.4	98.6	98.8	99.0	99.6	99.6	99.8	99.8	99.9	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB 41  
LST TO UTC: + 6

PERIOD OF RECORD: A  
MONTH: SEP HOURS:

CEILING	VISIBILITY IN STATUTE MILES											
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	41.6	43.0	45.0	47.2	47.7	47.8	48.1	48.1	48.3	48.8	48.9	48.9
GE 20000	44.1	45.8	48.9	50.2	50.6	50.8	51.1	51.1	51.2	51.7	51.9	51.9
GE 18000	44.2	46.0	49.1	50.5	51.1	51.2	51.6	51.6	51.7	52.2	52.3	52.3
GE 16000	44.2	46.0	49.1	50.5	51.1	51.2	51.6	51.6	51.7	52.2	52.3	52.3
GE 14000	44.9	46.6	49.7	51.1	51.7	51.9	52.2	52.2	52.3	52.8	53.0	53.0
GE 12000	46.4	48.1	51.2	52.6	53.3	53.4	53.7	53.7	53.9	54.4	54.5	54.5
GE 10000	49.5	51.4	54.5	56.2	56.9	57.0	57.3	57.3	57.5	57.9	58.1	58.1
GE 9000	50.2	52.0	55.1	57.0	57.8	57.9	58.3	58.3	58.4	58.9	59.0	59.0
GE 8000	52.0	54.0	57.2	59.0	59.8	60.0	60.3	60.3	60.4	60.9	61.1	61.1
GE 7000	53.6	55.8	58.9	60.9	61.7	61.8	62.1	62.1	62.3	62.8	62.9	62.9
GE 6000	55.9	58.6	61.8	64.2	65.3	65.6	65.9	65.9	66.0	66.5	66.7	66.7
GE 5000	56.9	60.0	63.4	65.7	66.8	67.1	67.4	67.4	67.6	68.1	68.2	68.2
GE 4500	57.3	61.2	64.6	67.0	68.1	68.4	68.7	68.7	68.8	69.3	69.5	69.5
GE 4000	58.6	62.3	65.9	68.2	69.3	69.6	69.9	69.9	70.1	70.6	70.7	70.7
GE 3500	60.1	64.0	67.6	70.2	71.7	72.1	72.5	72.7	72.9	73.4	73.5	73.5
GE 3000	61.7	65.7	69.5	72.0	73.5	74.3	74.8	75.1	75.2	75.7	75.9	75.9
GE 2500	62.9	67.0	71.0	73.3	75.4	76.2	76.6	76.9	77.1	77.6	77.7	77.7
GE 2000	63.9	68.4	72.6	75.4	76.9	77.7	78.2	78.5	78.8	79.3	79.4	79.4
GE 1800	64.2	68.7	72.9	75.7	77.3	78.0	78.5	78.8	79.1	79.6	79.8	79.8
GE 1500	65.9	70.4	74.8	78.2	80.1	80.8	81.6	81.9	82.2	82.7	82.9	82.9
GE 1200	66.8	71.5	76.2	79.9	81.8	82.5	83.3	83.5	84.0	84.6	84.7	84.7
GE 1000	68.2	73.1	77.7	81.5	83.3	84.1	84.9	85.4	85.7	86.9	87.1	87.1
GE 900	68.4	73.2	77.9	81.6	83.5	84.3	85.0	85.5	85.8	87.1	87.2	87.2
GE 800	70.1	74.9	79.6	83.3	85.2	86.0	86.3	87.2	87.5	88.8	88.9	88.9
GE 700	70.2	75.1	80.4	84.4	86.4	87.2	88.0	88.5	88.8	90.0	90.2	90.2
GE 500	70.6	75.4	80.7	84.7	86.8	87.7	88.5	88.9	89.3	90.5	90.8	90.8
GE 500	70.7	75.7	81.2	85.2	87.2	88.3	90.0	90.7	91.1	92.5	92.8	92.8
GE 400	70.7	75.7	81.3	85.5	88.0	89.7	91.0	92.1	92.5	94.4	94.7	94.7
GE 300	70.7	75.7	81.3	85.7	88.2	89.9	91.4	92.8	93.5	95.3	96.4	96.4
GE 200	70.7	75.7	81.3	85.7	88.2	89.9	91.4	93.0	93.6	95.6	97.2	97.2
GE 100	70.7	75.7	81.3	85.7	88.2	89.9	91.4	93.0	93.6	95.6	97.2	97.2
GE 000	70.7	75.7	81.3	85.7	88.2	89.9	91.4	93.0	93.6	95.6	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 642

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

IN NAME: VOLK FLD ANG8 41  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: SEP HOURS: 06-08

VISIBILITY IN STATUTE MILES

CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
47.2	47.7	47.8	48.1	48.1	48.3	48.8	48.9	48.9	49.1	49.1	49.4	49.7
50.2	50.5	50.9	51.1	51.1	51.2	51.7	51.9	51.9	52.0	52.0	52.3	52.6
50.5	51.1	51.2	51.6	51.6	51.7	52.2	52.3	52.3	52.5	52.5	52.8	53.1
50.5	51.1	51.2	51.6	51.6	51.7	52.2	52.3	52.3	52.5	52.5	52.8	53.1
51.1	51.7	51.9	52.2	52.2	52.3	52.8	53.0	53.0	53.1	53.1	53.4	53.7
52.5	53.3	53.4	53.7	53.7	53.9	54.4	54.5	54.5	54.7	54.7	55.0	55.3
55.2	55.9	57.0	57.3	57.3	57.5	57.9	58.1	58.1	58.3	58.3	58.6	58.9
57.0	57.8	57.9	58.3	58.3	58.4	58.9	59.0	59.0	59.2	59.2	59.5	59.8
59.0	59.8	60.0	60.3	60.3	60.4	60.9	61.1	61.1	61.2	61.2	61.5	61.8
60.9	61.7	61.8	62.1	62.1	62.3	62.8	62.9	62.9	63.1	63.1	63.4	63.7
65.2	65.3	65.6	65.9	65.9	66.0	66.5	66.7	66.7	66.8	66.8	67.1	67.4
68.7	68.8	67.1	67.4	67.4	67.6	68.1	68.2	68.2	68.4	68.4	68.7	69.0
70.0	69.1	68.4	68.7	68.7	68.8	69.3	69.5	69.5	69.6	69.6	69.9	70.2
69.2	69.3	69.6	69.9	69.9	70.1	70.6	70.7	70.7	70.9	70.9	71.2	71.5
70.2	71.7	72.1	72.5	72.7	72.9	73.4	73.5	73.5	73.7	73.7	74.0	74.3
72.0	73.5	74.3	74.8	75.1	75.2	75.7	75.9	75.9	76.0	76.0	76.3	76.6
78.3	75.4	75.2	76.6	76.9	77.1	77.6	77.7	77.7	77.9	77.9	78.2	78.5
78.4	75.9	77.7	78.2	78.5	78.8	79.3	79.4	79.4	79.6	79.6	79.9	80.2
78.7	77.3	78.0	78.5	78.8	79.1	79.6	79.8	79.8	79.9	79.9	80.2	80.5
79.2	80.1	80.8	81.6	81.9	82.2	82.7	82.9	82.9	83.2	83.2	83.5	83.8
80.9	81.8	82.5	83.3	83.5	84.0	84.6	84.7	84.7	85.0	85.0	85.4	85.7
81.5	83.3	84.1	84.9	85.4	85.7	86.9	87.1	87.1	87.4	87.4	87.7	88.0
81.5	83.5	84.3	85.0	85.5	85.8	87.1	87.2	87.2	87.5	87.5	87.9	88.2
83.3	85.2	86.0	86.8	87.2	87.5	88.8	88.9	88.9	89.3	89.3	89.6	89.9
84.4	86.4	87.2	88.0	88.5	88.8	90.0	90.2	90.2	90.5	90.5	90.8	91.1
84.7	86.8	87.7	88.5	88.9	89.3	90.5	90.8	90.8	91.1	91.1	91.4	91.7
85.2	87.2	88.8	90.0	90.7	91.1	92.5	92.8	92.8	93.3	93.3	93.6	93.9
85.5	88.0	89.7	91.0	92.1	92.5	94.4	94.7	94.7	95.2	95.2	95.5	95.8
85.7	88.2	89.9	91.4	92.8	93.5	95.3	96.4	96.4	96.9	97.0	97.4	97.7
85.7	88.2	89.9	91.4	93.0	93.6	95.6	97.2	97.2	98.0	98.1	98.6	98.9
85.7	88.2	89.9	91.4	93.0	93.6	95.6	97.2	97.2	98.4	98.8	99.4	99.7
85.7	88.2	89.9	91.4	93.0	93.6	95.6	97.2	97.2	98.4	98.8	99.4	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSU  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 5

PERIOD OF RECORD:  
MONTH: SEP HOUR

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	45.1	47.3	43.4	48.7	44.7	48.7	48.7	43.7	49.7	48.7	49.7	49
GE 20000	50.4	52.5	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53
GE 18000	50.3	53.0	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54
GE 16000	50.3	53.0	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54
GE 14000	51.7	53.9	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55
GE 12000	52.6	54.9	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56
GE 10000	55.0	57.3	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58
GE 9000	55.4	57.7	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59
GE 8000	57.7	60.4	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62
GE 7000	59.0	61.7	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63
GE 6000	61.1	64.2	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66
GE 5000	62.7	65.9	67.3	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68
GE 4500	63.2	66.5	68.0	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68
GE 4000	64.2	67.8	69.4	70.1	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70
GE 3500	64.7	68.3	70.2	71.0	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71
GE 3000	66.0	69.8	71.8	72.5	72.6	72.7	73.0	73.1	73.1	73.2	73.2	73
GE 2500	67.6	71.7	74.0	74.8	74.9	75.0	75.3	75.4	75.4	75.5	75.5	75
GE 2000	70.2	74.5	76.9	77.8	78.1	78.2	78.5	78.6	78.6	78.7	78.7	78
GE 1800	71.2	75.5	77.9	78.8	79.1	79.3	79.6	79.7	79.7	79.8	79.8	79
GE 1500	74.7	79.5	82.5	83.4	83.9	84.0	84.3	84.4	84.4	84.5	84.5	84
GE 1200	77.4	82.8	86.0	87.1	87.7	87.8	88.1	88.4	88.4	88.5	88.5	88
GE 1000	78.3	83.7	87.2	88.4	88.9	89.0	89.4	89.7	89.9	90.1	90.1	90
GE 900	79.1	84.6	88.3	89.5	90.0	90.1	90.5	90.8	91.0	91.2	91.2	91
GE 800	80.2	86.0	89.8	91.0	91.7	91.8	92.2	92.5	92.7	92.9	92.9	92
GE 700	80.5	86.4	90.6	92.2	92.9	93.2	93.6	93.9	94.1	94.6	94.6	94
GE 600	80.9	86.8	91.0	92.4	93.7	94.0	94.4	94.7	94.9	95.5	95.5	95
GE 500	81.1	87.2	91.4	93.3	94.3	94.6	95.0	95.3	95.6	96.4	96.4	96
GE 400	81.1	87.3	91.5	93.5	95.1	95.4	95.1	96.7	97.0	98.2	98.3	98
GE 300	81.1	87.3	91.5	93.5	95.1	95.7	96.4	97.0	97.3	98.5	99.1	99
GE 200	81.1	87.3	91.5	93.5	95.1	95.9	96.5	97.1	97.4	98.7	99.6	99
GE 100	81.1	87.3	91.5	93.5	95.1	95.9	96.5	97.1	97.4	98.7	99.7	99
GE 000	81.1	87.3	91.5	93.5	95.1	95.9	96.5	97.1	97.4	98.7	99.7	99

TOTAL NUMBER OF OBSERVATIONS 988

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGWS WI  
TIME ZONE: + 5

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: SEP HOURS: 09-11

VISIBILITY IN STATUTE MILES												
CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
48.7	48.7	48.7	48.7	48.7	49.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
70.1	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
71.0	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
72.6	72.6	72.7	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
74.8	74.9	75.0	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
77.8	78.1	78.2	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
79.8	79.1	79.3	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
83.4	83.9	84.0	84.3	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
87.1	87.7	87.8	88.1	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6
89.4	89.9	89.0	89.4	89.7	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.2
90.5	90.0	90.1	90.5	90.8	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.3
91.0	91.7	91.8	92.2	92.5	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0
92.2	92.9	93.2	93.6	93.9	94.1	94.5	94.6	94.6	94.7	94.7	94.7	94.7
92.8	93.7	94.0	94.4	94.7	94.9	95.5	95.5	95.5	95.6	95.6	95.6	95.6
93.3	94.3	94.6	95.0	95.3	95.6	96.4	96.4	96.4	96.5	96.5	96.5	96.5
93.5	95.1	95.4	95.1	96.7	97.0	98.2	98.3	98.3	98.5	98.5	98.5	98.5
93.5	95.1	95.7	96.4	97.0	97.3	98.5	99.1	99.1	99.3	99.3	99.3	99.3
93.5	95.1	95.9	96.5	97.1	97.4	98.7	99.6	99.6	99.8	99.8	99.8	99.8
93.5	95.1	95.9	96.5	97.1	97.4	98.7	99.7	99.7	99.9	99.9	99.9	99.9
93.5	95.1	95.9	96.5	97.1	97.4	98.7	99.7	99.7	99.9	99.9	99.9	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: SEP HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	47.3	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 20000	53.5	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	53.7	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 16000	53.8	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 14000	54.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	55.5	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 10000	57.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 9000	57.9	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 8000	58.9	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 7000	59.7	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	61.5	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 5000	63.5	64.6	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 4500	64.4	65.6	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4000	66.3	67.6	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 3500	68.2	69.5	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3000	73.2	74.7	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2500	76.4	78.5	79.4	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2000	80.5	82.5	83.4	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	81.5	83.4	84.7	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1500	85.0	87.4	88.4	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1200	87.2	90.1	91.2	91.5	92.0	92.2	92.2	92.4	92.4	92.4	92.4	92.4
GE 1000	87.3	90.8	92.4	92.7	93.2	93.4	93.5	93.7	93.7	93.7	93.7	93.7
GE 900	88.1	91.3	93.1	93.4	93.9	94.2	94.3	94.5	94.5	94.5	94.5	94.5
GE 800	88.4	91.8	93.9	94.3	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.6
GE 700	88.9	92.3	94.5	95.1	95.4	96.1	96.2	96.6	96.6	96.9	96.9	96.9
GE 600	89.0	92.5	94.7	95.4	96.3	96.6	96.7	97.2	97.2	97.6	97.6	97.6
GE 500	89.0	92.5	94.8	95.3	97.0	97.3	97.6	98.3	98.3	98.7	98.8	98.8
GE 400	89.0	92.5	94.8	95.3	97.2	97.5	97.9	98.7	98.7	99.2	99.3	99.3
GE 300	89.0	92.5	94.8	95.3	97.2	97.5	98.0	98.9	98.9	99.4	99.9	99.9
GE 200	89.0	92.5	94.8	95.3	97.2	97.5	98.0	98.9	98.9	99.4	99.9	99.9
GE 100	89.0	92.5	94.8	95.3	97.2	97.5	98.0	98.9	98.9	99.4	99.9	99.9
GE 000	89.0	92.5	94.8	95.3	97.2	97.5	98.0	98.9	98.9	99.4	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 998



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGWS MI

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: SEP HOURS: 12-14

VISIBILITY IN STATUTE MILES											
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
48.2	49.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
54.5	54.6	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5
93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8
94.2	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
96.1	96.1	96.2	96.6	96.6	96.9	96.9	96.9	96.9	96.9	97.0	97.0
96.6	96.6	96.7	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7
97.3	97.3	97.6	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.9	98.9
97.5	97.5	97.9	98.7	98.7	99.2	99.3	99.3	99.3	99.3	99.4	99.4
97.5	97.5	98.0	98.9	98.9	99.4	99.9	99.9	99.9	99.9	100.0	100.0
97.5	97.5	98.0	98.9	98.9	99.4	99.9	99.9	99.9	99.9	100.0	100.0
97.5	97.5	98.0	98.9	98.9	99.4	99.9	99.9	99.9	99.9	100.0	100.0
97.5	97.5	98.0	98.9	98.9	99.4	99.9	99.9	99.9	99.9	100.0	100.0

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: SEP HOURS: 15-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	
NO CEIL	51.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	51.8
GE 20000	56.4	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	56.4
GE 18000	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	56.8
GE 16000	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.0
GE 14000	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.1
GE 12000	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.6
GE 10000	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.3
GE 9000	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.3
GE 8000	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.4
GE 7000	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	65.7
GE 6000	67.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	67.8
GE 5000	70.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	70.2
GE 4500	71.9	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	71.9
GE 4000	76.2	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	76.2
GE 3500	78.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	78.4
GE 3000	82.3	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	82.3
GE 2500	84.2	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	84.2
GE 2000	88.6	89.8	89.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	88.6
GE 1800	88.6	90.1	90.7	90.7	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	88.6
GE 1500	90.1	92.4	93.7	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	90.1
GE 1200	90.9	93.5	94.8	95.0	95.0	95.2	95.5	95.5	95.5	95.5	95.5	95.5	90.9
GE 1000	91.4	94.6	96.1	96.5	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	91.4
GE 900	91.4	94.6	96.1	96.5	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	91.4
GE 800	91.8	95.0	96.8	97.2	97.6	98.1	98.3	98.3	98.3	98.5	98.5	98.5	91.8
GE 700	91.8	95.0	97.0	97.4	97.8	98.3	98.5	98.5	98.5	98.9	98.9	98.9	91.8
GE 600	91.8	95.0	97.0	97.4	98.3	98.7	98.9	98.9	98.9	99.4	99.4	99.4	91.8
GE 500	91.8	95.0	97.0	98.1	98.5	98.9	99.4	99.4	99.4	99.8	99.8	99.8	91.8
GE 400	91.8	95.0	97.0	98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	91.8
GE 300	91.8	95.0	97.0	98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	91.8
GE 200	91.8	95.0	97.0	98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	91.8
GE 100	91.8	95.0	97.0	98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	91.8
GE 000	91.8	95.0	97.0	98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	91.8

TOTAL NUMBER OF OBSERVATIONS 463

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANG3 WI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: SEP HOURS: 15-17

VISIBILITY IN STATUTE MILES												
CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	0
52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
95.0	95.0	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
96.5	96.5	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
96.5	96.8	97.2	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
97.2	97.6	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
97.4	97.3	98.3	98.5	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
97.4	98.3	98.7	98.9	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
98.1	98.5	98.9	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
98.1	98.7	99.1	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGH WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: SEP HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES											
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	46.1	47.4	48.4	48.8	48.9	48.9	48.9	48.9	49.0	49.1	49.1	49.1
GE 20000	51.1	52.4	53.4	53.8	53.9	53.9	54.0	54.0	54.0	54.1	54.2	54.2
GE 18000	51.3	52.7	53.7	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.5	54.5
GE 16000	51.3	52.7	53.8	54.2	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5
GE 14000	52.2	53.6	54.7	55.1	55.2	55.2	55.3	55.3	55.3	55.4	55.5	55.5
GE 12000	53.3	54.7	55.7	56.1	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5
GE 10000	56.0	57.5	58.5	58.9	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3
GE 9000	56.3	57.7	58.8	59.4	59.5	59.6	59.6	59.6	59.7	59.8	59.8	59.8
GE 8000	57.9	59.5	60.7	61.2	61.4	61.4	61.5	61.5	61.5	61.6	61.7	61.7
GE 7000	59.1	60.8	61.9	62.5	62.7	62.7	62.8	62.8	62.8	62.9	63.0	63.0
GE 6000	61.2	63.2	64.4	65.1	65.3	65.4	65.4	65.4	65.5	65.5	65.6	65.6
GE 5000	62.9	65.0	66.3	67.0	67.3	67.3	67.4	67.4	67.5	67.6	67.6	67.6
GE 4500	63.8	66.1	67.4	68.1	68.4	68.4	68.5	68.5	68.6	68.7	68.7	68.7
GE 4000	65.5	68.0	69.4	70.1	70.5	70.5	70.7	70.7	70.7	70.8	70.8	70.8
GE 3500	66.9	69.5	71.0	71.8	72.2	72.3	72.5	72.5	72.6	72.7	72.7	72.7
GE 3000	69.9	72.6	74.2	75.0	75.4	75.6	75.8	75.9	75.9	76.1	76.1	76.1
GE 2500	72.1	74.9	76.8	77.7	78.1	78.3	78.5	78.6	78.6	78.8	78.8	78.8
GE 2000	75.0	78.1	80.1	81.1	81.6	81.6	82.0	82.1	82.2	82.3	82.3	82.3
GE 1800	75.6	78.9	81.0	81.9	82.4	82.7	82.9	83.0	83.0	83.2	83.2	83.2
GE 1500	78.5	82.1	84.5	85.6	86.2	86.4	86.7	86.8	86.9	87.0	87.1	87.1
GE 1200	80.4	84.4	87.0	88.2	88.9	89.2	89.5	89.7	89.8	90.0	90.0	90.0
GE 1000	81.2	85.4	88.3	89.6	90.3	90.6	90.9	91.2	91.3	91.6	91.7	91.7
GE 900	81.6	85.9	88.3	90.2	90.9	91.3	91.6	91.9	92.0	92.4	92.4	92.4
GE 800	82.5	86.9	90.0	91.4	92.3	92.7	93.0	93.3	93.4	93.8	93.8	93.8
GE 700	82.8	87.3	90.7	92.3	93.2	93.7	94.0	94.3	94.5	95.1	95.1	95.1
GE 600	83.0	87.5	90.9	92.7	93.8	94.2	94.6	95.0	95.1	95.7	95.8	95.8
GE 500	83.1	87.7	91.2	93.1	94.3	94.9	95.5	95.9	96.1	96.8	96.9	96.9
GE 400	83.1	87.7	91.3	93.3	94.9	95.5	95.1	96.8	97.0	98.0	98.1	98.1
GE 300	83.1	87.7	91.3	93.3	94.9	95.6	95.3	97.1	97.3	98.4	98.9	98.9
GE 200	83.1	87.7	91.3	93.3	94.9	95.6	96.4	97.2	97.4	98.5	99.3	99.3
GE 100	83.1	87.7	91.3	93.3	94.9	95.6	96.4	97.2	97.4	98.5	99.3	99.3
GE 000	83.1	87.7	91.3	93.3	94.9	95.6	96.4	97.2	97.4	98.5	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 3091

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGE WI  
TC: + 6

PERIOD OF RECORD: AUG 73 - JUL 89  
MONTH: SEP HOURS: ALL

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
48.9	48.9	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.2	49.3
53.9	53.9	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.3	54.3
54.2	54.3	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.6	54.6
54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.7
55.2	55.2	55.3	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.6
56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.7
59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5
59.5	59.6	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9
61.4	61.4	61.5	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8
62.7	62.7	62.8	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1
65.3	65.4	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.8
67.3	67.3	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7
68.4	68.4	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.0
72.2	72.3	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.9
75.4	75.6	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.2	76.3
78.1	78.3	78.5	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.9	79.0
81.6	81.6	82.0	82.1	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.5
82.4	82.7	82.9	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.3	83.4
85.2	86.4	86.7	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.2	87.3
88.9	89.2	89.5	89.7	89.8	90.0	90.0	90.0	90.1	90.1	90.2	90.3
90.3	90.6	90.9	91.2	91.3	91.6	91.7	91.7	91.8	91.8	91.8	91.9
90.9	91.3	91.6	91.9	92.0	92.4	92.4	92.4	92.5	92.5	92.6	92.7
92.3	92.7	93.0	93.3	93.4	93.8	93.8	93.8	93.9	93.9	94.0	94.0
93.2	93.7	94.0	94.3	94.5	95.1	95.1	95.1	95.2	95.2	95.3	95.3
93.8	94.2	94.6	95.0	95.1	95.7	95.8	95.8	95.9	95.9	96.0	96.1
94.3	94.9	95.5	95.9	96.1	96.8	96.9	96.9	97.1	97.1	97.2	97.2
94.9	95.5	96.1	96.8	97.0	98.0	98.1	98.1	98.3	98.3	98.4	98.4
94.9	95.6	96.3	97.1	97.3	98.4	98.9	98.9	99.1	99.1	99.2	99.3
94.9	95.6	96.4	97.2	97.4	98.5	99.3	99.3	99.5	99.5	99.6	99.7
94.9	95.6	96.4	97.2	97.4	98.5	99.3	99.3	99.6	99.7	99.8	99.9
94.9	95.6	96.4	97.2	97.4	98.5	99.3	99.3	99.6	99.7	99.8	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: OCT HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	38.4	39.7	40.0	40.2	41.0	41.2	41.2	41.4	41.4	41.5	41.7	41.7
GE 20000	43.9	45.9	46.6	46.7	47.6	47.7	47.7	47.9	48.1	48.2	48.4	48.4
GE 18000	43.9	45.9	46.6	46.7	47.6	47.7	47.7	47.9	48.1	48.2	48.4	48.4
GE 16000	43.9	45.9	46.6	46.7	47.6	47.7	47.7	47.9	48.1	48.2	48.4	48.4
GE 14000	44.4	46.4	47.1	47.2	48.1	48.2	48.2	48.4	48.6	48.7	48.9	48.9
GE 12000	46.1	48.1	48.7	48.9	49.7	49.9	49.9	50.1	50.3	50.4	50.6	50.6
GE 10000	49.2	51.3	51.9	52.1	52.9	53.1	53.1	53.3	53.4	53.6	53.9	53.9
GE 9000	49.7	51.8	52.4	52.6	53.4	53.6	53.6	53.8	53.9	54.1	54.4	54.4
GE 8000	52.3	54.4	55.3	55.4	56.4	56.6	56.6	56.8	57.0	57.1	57.5	57.5
GE 7000	54.4	56.6	57.5	57.5	58.6	58.8	58.8	59.0	59.1	59.3	59.6	59.6
GE 6000	56.4	59.1	60.1	60.5	61.5	61.6	61.6	61.8	62.0	62.1	62.5	62.5
GE 5000	58.0	61.0	62.1	62.5	63.5	63.7	63.7	64.0	64.2	64.3	64.7	64.7
GE 4500	59.5	62.6	63.8	64.2	65.3	65.5	65.5	65.8	66.0	66.2	66.5	66.5
GE 4000	62.5	66.0	67.3	67.8	69.2	69.3	69.3	69.7	69.8	70.0	70.4	70.4
GE 3500	63.0	66.5	67.8	68.3	69.7	69.8	69.8	70.2	70.4	70.5	70.9	70.9
GE 3000	66.3	69.8	71.4	71.9	73.2	73.4	73.4	73.7	73.9	74.0	74.4	74.4
GE 2500	68.2	71.9	73.4	74.2	75.7	75.9	76.2	76.5	76.7	76.9	77.2	77.2
GE 2000	69.7	73.6	75.0	75.0	77.7	77.9	78.2	78.6	78.7	78.9	79.2	79.2
GE 1800	70.5	74.4	75.9	76.9	78.6	78.7	79.1	79.4	79.6	79.7	80.1	80.1
GE 1500	72.4	76.5	78.6	79.7	81.6	81.9	82.2	82.6	82.7	82.9	83.2	83.2
GE 1200	73.5	78.1	80.1	81.4	83.4	83.8	84.3	84.6	84.8	84.9	85.3	85.3
GE 1000	75.0	79.9	81.9	83.4	85.4	85.8	86.6	86.9	87.1	87.4	88.1	88.1
GE 900	75.0	79.9	82.1	83.6	85.8	86.1	86.9	87.3	87.4	87.8	88.4	88.4
GE 800	75.4	80.2	82.6	84.1	86.6	87.1	88.3	88.8	88.9	89.4	90.1	90.1
GE 700	75.5	80.7	83.1	84.6	87.3	87.8	88.9	89.4	89.8	90.3	91.0	91.0
GE 600	75.5	80.7	83.1	85.3	87.9	89.1	90.8	91.3	91.6	92.1	92.8	92.8
GE 500	76.0	81.2	83.6	85.8	88.4	89.6	91.6	92.3	92.6	93.3	94.3	94.3
GE 400	76.0	81.2	83.6	85.8	88.4	89.6	92.0	93.0	93.3	94.3	95.5	95.6
GE 300	76.0	81.2	83.6	85.8	88.4	89.6	92.0	93.0	93.3	94.8	96.6	97.2
GE 200	76.0	81.2	83.6	85.8	88.4	89.6	92.0	93.0	93.3	95.0	96.8	97.3
GE 100	76.0	81.2	83.6	85.8	88.4	89.6	92.0	93.0	93.3	95.0	96.8	97.3

TOTAL NUMBER OF OBSERVATIONS 597

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGUS WI						PERIOD OF RECORD: AUG 73 - JUL 83							
TIME ZONE: + 6						MONTH: OCT HOURS: 06-08							
VISIBILITY IN STATUTE MILES													
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	GE 0
40.2	41.0	41.2	41.2	41.4	41.4	41.5	41.7	41.7	41.9	41.9	42.5	42.9	
46.7	47.6	47.7	47.7	47.9	48.1	48.2	48.4	48.4	48.6	48.6	49.2	49.6	
46.7	47.6	47.7	47.7	47.9	48.1	48.2	48.4	48.4	48.6	48.6	49.2	49.6	
46.7	47.6	47.7	47.7	47.9	48.1	48.2	48.4	48.4	48.6	48.6	49.2	49.6	
47.2	48.1	48.2	48.2	48.4	48.6	48.7	48.9	48.9	49.1	49.1	49.7	50.1	
49.9	49.7	49.9	49.9	50.1	50.3	50.4	50.6	50.6	50.8	50.9	51.4	51.8	
52.1	52.9	53.1	53.1	53.3	53.4	53.6	53.9	53.9	54.1	54.1	54.8	55.1	
52.6	53.4	53.6	53.6	53.8	53.9	54.1	54.4	54.4	54.6	54.6	55.3	55.6	
55.4	56.4	56.6	56.6	56.8	57.0	57.1	57.5	57.5	57.6	57.6	58.3	58.6	
57.5	58.5	58.8	58.8	59.0	59.1	59.3	59.6	59.6	59.8	59.9	60.5	60.8	
60.5	61.5	61.6	61.6	61.8	62.0	62.1	62.5	62.5	62.6	62.6	63.3	63.7	
62.5	63.5	63.7	63.7	64.0	64.2	64.3	64.7	64.7	64.8	64.8	65.5	65.8	
64.2	65.3	65.5	65.5	65.8	66.0	66.2	66.5	66.5	66.7	66.7	67.3	67.7	
67.8	69.2	69.3	69.3	69.7	69.8	70.0	70.4	70.4	70.5	70.5	71.2	71.5	
69.3	69.7	69.8	69.8	70.2	70.4	70.5	70.9	70.9	71.0	71.0	71.7	72.0	
71.9	73.2	73.4	73.4	73.7	73.9	74.0	74.4	74.4	74.5	74.5	75.2	75.5	
74.2	75.7	75.9	76.2	76.5	76.7	76.9	77.2	77.2	77.4	77.4	78.1	78.4	
75.0	77.7	77.9	78.2	78.6	78.7	78.9	79.2	79.2	79.4	79.4	80.1	80.4	
76.9	78.6	78.7	79.1	79.4	79.6	79.7	80.1	80.1	80.2	80.2	80.9	81.2	
77.7	81.6	81.9	82.2	82.6	82.7	82.9	83.2	83.2	83.4	83.4	84.1	84.4	
81.4	83.4	83.8	84.3	84.6	84.8	84.9	85.3	85.3	85.4	85.4	86.1	86.4	
83.4	85.4	85.8	86.6	86.9	87.1	87.4	88.1	88.1	88.4	88.4	89.1	89.4	
83.6	85.8	86.1	86.9	87.3	87.4	87.8	88.4	88.4	88.8	88.8	89.4	89.6	
84.1	86.6	87.1	88.3	88.8	88.9	89.4	90.1	90.1	90.5	90.5	91.1	91.5	
84.5	87.3	87.8	88.9	89.4	89.8	90.3	91.0	91.0	91.3	91.3	92.0	92.3	
85.3	87.9	89.1	90.8	91.3	91.6	92.1	92.8	92.8	93.1	93.1	93.8	94.1	
85.8	88.4	89.6	91.6	92.3	92.6	93.3	94.3	94.3	94.6	94.6	95.3	95.6	
85.8	88.4	89.6	92.0	93.0	93.3	94.3	95.5	95.6	96.0	96.0	96.6	97.0	
85.3	88.4	89.6	92.0	93.0	93.3	94.8	96.6	97.2	97.8	97.8	98.5	98.8	
85.8	88.4	89.6	92.0	93.0	93.3	95.0	96.8	97.3	98.2	98.2	98.8	99.5	
85.8	88.4	89.6	92.0	93.0	93.3	95.0	96.8	97.3	98.2	98.2	98.8	99.8	
85.8	88.4	89.6	92.0	93.0	93.3	95.0	96.8	97.3	98.2	98.2	98.8	100.0	

577

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: OCT HOURS

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	41.0	41.7	42.1	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 20000	46.8	47.7	48.5	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	46.8	47.7	48.5	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2
GE 16000	46.8	47.7	48.5	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2
GE 14000	47.5	48.4	49.2	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	48.3	49.2	50.1	50.5	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8
GE 10000	51.2	52.1	53.1	53.5	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9
GE 9000	52.0	52.9	53.9	54.3	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7
GE 8000	54.8	56.3	57.2	57.7	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1
GE 7000	56.7	59.1	59.0	59.6	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0
GE 6000	57.9	59.7	60.7	61.2	61.5	61.6	61.9	61.9	61.9	61.9	61.9	61.9
GE 5000	59.9	61.6	63.0	63.5	63.8	63.9	64.2	64.2	64.2	64.2	64.2	64.2
GE 4500	60.6	62.5	63.8	64.3	64.6	64.8	65.1	65.4	65.4	65.4	65.4	65.4
GE 4000	62.7	64.8	66.4	66.9	67.2	67.4	67.8	68.0	68.0	68.0	68.0	68.0
GE 3500	63.9	65.9	67.4	67.9	68.3	68.5	68.9	69.1	69.1	69.1	69.1	69.1
GE 3000	67.3	69.5	71.0	71.6	72.0	72.2	72.6	72.8	72.8	72.8	72.8	72.8
GE 2500	72.0	74.4	75.9	76.4	76.9	77.1	77.5	77.8	77.8	77.8	77.8	77.8
GE 2000	74.9	77.7	79.4	80.1	81.1	81.3	81.7	81.9	81.9	81.9	81.9	81.9
GE 1800	75.9	78.7	80.7	81.4	82.3	82.5	82.9	83.1	83.1	83.1	83.1	83.1
GE 1500	78.3	81.5	83.8	84.6	85.6	85.8	86.2	86.5	86.5	86.5	86.5	86.5
GE 1200	78.9	82.6	85.1	85.0	87.5	87.4	88.2	88.5	88.5	88.5	88.5	88.5
GE 1000	79.9	83.8	86.5	87.5	89.6	89.9	90.6	90.9	90.9	90.9	91.0	91.0
GE 900	80.4	84.2	87.0	88.1	90.2	90.7	91.4	91.7	91.7	91.7	91.9	91.9
GE 800	81.2	85.0	88.1	89.5	91.8	92.3	93.2	93.6	93.6	93.7	93.8	93.8
GE 700	81.2	85.0	88.1	90.0	92.6	93.2	94.1	94.7	95.0	95.1	95.2	95.2
GE 600	81.5	85.4	88.6	90.7	93.3	94.0	95.1	95.8	96.1	96.2	96.3	96.3
GE 500	81.5	85.6	88.8	90.9	93.5	94.2	95.7	96.8	97.4	97.6	97.9	97.9
GE 400	81.5	85.6	88.8	90.9	93.5	94.4	95.0	97.2	97.9	98.4	98.9	98.9
GE 300	81.5	85.6	88.8	90.9	93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.5
GE 200	81.5	85.6	88.8	90.9	93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.5
GE 100	81.5	85.6	88.8	90.9	93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.5
GE 000	81.5	85.6	88.8	90.9	93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 967



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
SITE: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: OCT HOURS: 09-11

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6
49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1
50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1
61.5	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0
63.8	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
64.6	64.8	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5
67.2	67.4	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
68.3	68.5	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2
72.0	72.2	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9
75.9	77.1	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9
81.1	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0
82.3	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2
85.6	85.8	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6
87.5	87.4	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6
89.6	89.9	90.6	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1
90.2	90.7	91.4	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0
91.8	92.3	93.2	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
92.6	93.2	94.1	94.7	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3
93.3	94.0	95.1	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4
93.5	94.2	95.7	96.8	97.4	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.0
93.5	94.4	95.0	97.2	97.9	98.4	98.9	98.9	98.9	98.9	99.0	99.1	99.1
93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.6	99.6	99.6	99.7	99.8	99.9
93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.7	99.7	99.7	99.8	99.9	100.0
93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.7	99.7	99.7	99.8	99.9	100.0
93.6	94.5	96.2	97.4	98.1	98.9	99.5	99.7	99.7	99.7	99.8	99.9	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: OCT HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GF 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GF 1 1/4	GE 1	GE 3/4	GF 5/8
NO CEIL	40.2	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 20000	47.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	47.4	48.5	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 16000	47.4	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 14000	48.3	49.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 12000	49.9	51.1	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 10000	53.1	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 9000	53.8	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 8000	57.0	58.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 7000	58.6	60.0	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	59.6	61.0	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 5000	60.3	61.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 4500	61.1	62.6	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 4000	64.3	65.8	66.3	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 3500	66.4	68.0	69.0	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3000	71.8	73.4	74.4	74.7	74.8	75.0	75.0	75.1	75.1	75.1	75.1	75.1
GE 2500	77.3	79.3	80.3	80.7	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1
GE 2000	81.1	82.8	84.1	84.6	84.8	85.0	85.1	85.2	85.2	85.2	85.2	85.2
GE 1800	81.9	83.2	85.1	85.6	85.8	86.0	86.1	86.2	86.2	86.2	86.2	86.2
GE 1500	84.3	86.4	88.2	88.8	89.2	89.4	89.6	89.7	89.7	89.7	89.7	89.7
GE 1200	85.9	88.4	90.2	91.0	91.5	91.9	92.2	92.7	92.7	92.7	92.7	92.7
GE 1000	86.3	88.8	91.1	92.3	93.0	93.7	94.0	94.7	94.7	94.7	94.9	94.9
GE 900	86.4	88.9	91.4	92.7	93.4	94.3	94.6	95.4	95.4	95.5	95.7	95.7
GE 800	86.6	89.3	92.1	93.5	94.3	95.6	95.9	97.0	97.0	97.1	97.3	97.3
GE 700	86.9	89.8	92.8	94.3	95.2	96.5	96.8	98.0	98.0	98.1	98.3	98.3
GE 600	86.9	89.8	92.9	94.4	95.5	96.9	97.3	98.7	98.7	98.8	99.0	99.0
GE 500	86.9	89.9	93.0	94.5	95.6	97.0	97.4	98.8	98.8	98.9	99.1	99.1
GE 400	86.9	89.9	93.0	94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.6
GE 300	86.9	89.9	93.0	94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.6
GE 200	86.9	89.9	93.0	94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.6
GE 100	86.9	89.9	93.0	94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.6
GE 000	86.9	89.9	93.0	94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 980

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI					PERIOD OF RECORD: AUG 73 - JUL 83								
TO UTC: + 6					MONTH: OCT HOURS: 12-14								
VISIBILITY IN STATUTE MILES													
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	
59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	
61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	
69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
74.7	74.8	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	
80.7	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
84.6	84.8	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
85.6	85.8	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
88.8	89.2	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
91.0	91.5	91.9	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
92.3	93.0	93.7	94.0	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	
92.7	93.4	94.3	94.6	95.4	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	
93.5	94.3	95.6	95.9	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	
94.3	95.2	96.5	96.8	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	
94.4	95.5	96.9	97.3	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.3	99.3	
94.5	95.6	97.0	97.4	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.4	99.4	
94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.7	99.7	99.7	100.0	100.0	
94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.7	99.7	99.7	100.0	100.0	
94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.7	99.7	99.7	100.0	100.0	
94.5	95.7	97.1	97.6	98.9	99.1	99.3	99.6	99.7	99.7	99.7	100.0	100.0	

980

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: OCT HOURS: 14

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	54.0	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 18000	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 16000	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 14000	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 12000	56.5	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	58.8	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 9000	59.2	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 8000	62.0	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 7000	63.3	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	64.0	64.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	66.1	67.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4500	66.5	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4000	69.2	71.1	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3500	73.1	74.3	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	77.9	79.0	80.0	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2500	80.9	82.0	82.9	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 2000	84.1	85.6	86.6	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1800	84.3	85.9	86.8	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	86.1	88.6	89.7	90.4	90.9	91.1	91.8	91.8	91.8	91.8	91.8	91.8
GE 1200	87.7	90.2	91.3	92.0	92.5	93.2	94.1	94.3	94.3	94.3	94.3	94.3
GE 1000	87.7	90.4	91.6	92.5	93.4	94.1	95.0	95.2	95.2	95.2	95.2	95.2
GE 900	87.7	90.4	91.8	92.9	93.8	94.5	95.4	95.9	95.9	95.9	95.9	95.9
GE 800	87.7	90.4	91.8	93.4	94.5	95.2	95.4	95.8	96.3	96.8	96.8	96.8
GE 700	87.7	90.4	91.8	93.4	94.5	95.2	96.4	96.8	96.8	96.8	96.8	96.8
GE 600	87.7	90.4	91.8	93.4	94.5	95.7	97.0	97.7	97.9	97.9	98.2	98.2
GE 500	87.7	90.4	91.8	93.6	95.2	96.1	97.5	98.2	98.4	98.6	98.9	98.9
GE 400	87.7	90.4	91.8	93.3	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0
GE 300	87.7	90.4	91.8	93.3	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0
GE 200	87.7	90.4	91.8	93.3	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0
GE 100	87.7	90.4	91.8	93.3	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0
GE 000	87.7	90.4	91.8	93.3	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 439

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG S WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: OCT HOURS: 15-17

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/5	GE 1/4	GE 0
1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2	87.5	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
0	87.7	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
4	90.9	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
0	92.5	93.2	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
5	93.4	94.1	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
7	93.8	94.5	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
4	94.5	95.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
4	94.5	95.2	96.4	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
4	94.8	95.7	97.0	97.7	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2
5	95.2	96.1	97.5	98.2	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9
3	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
4	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
4	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
4	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
4	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
4	95.4	96.4	97.7	98.9	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI-  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 1  
MONTH: OCT HOURS: ALL

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	40.8	41.4	41.7	41.9	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2
GE 20000	47.4	48.4	49.0	49.1	49.4	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.6
GE 18000	47.5	48.5	49.1	49.3	49.5	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7
GE 16000	47.6	48.6	49.1	49.3	49.5	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7
GE 14000	48.3	49.4	50.1	50.2	50.5	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7
GE 12000	49.6	50.7	51.4	51.6	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0
GE 10000	52.5	53.8	54.5	54.7	54.9	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.2
GE 9000	53.2	54.4	55.2	55.4	55.6	55.6	55.7	55.7	55.8	55.8	55.9	55.9	55.9
GE 8000	56.1	57.5	58.4	58.6	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1
GE 7000	57.3	59.3	60.1	60.3	60.6	60.6	60.7	60.7	60.8	60.8	60.9	60.9	60.9
GE 6000	59.1	60.7	61.7	61.9	62.3	62.3	62.4	62.5	62.5	62.5	62.6	62.6	62.6
GE 5000	60.5	62.3	63.4	63.6	64.0	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.3
GE 4500	61.4	63.3	64.3	64.6	64.9	65.0	65.1	65.3	65.3	65.3	65.4	65.4	65.4
GE 4000	64.3	66.3	67.5	67.9	68.3	68.4	68.6	68.7	68.7	68.8	68.8	68.8	68.8
GE 3500	65.9	67.9	69.1	69.5	70.0	70.1	70.2	70.4	70.4	70.4	70.5	70.5	70.5
GE 3000	70.2	72.2	73.5	74.0	74.4	74.6	74.7	74.9	74.9	75.0	75.0	75.0	75.0
GE 2500	74.4	76.6	77.9	78.4	78.9	79.1	79.3	79.5	79.5	79.6	79.6	79.6	79.6
GE 2000	77.2	79.7	81.1	81.3	82.6	82.7	83.1	83.2	83.3	83.3	83.4	83.4	83.4
GE 1800	79.0	80.6	82.1	82.3	83.5	83.7	84.0	84.2	84.2	84.3	84.3	84.3	84.3
GE 1500	80.2	83.2	85.0	85.9	86.8	87.0	87.4	87.5	87.6	87.6	87.7	87.7	87.7
GE 1200	81.4	84.7	86.7	87.6	88.8	89.1	89.6	89.9	90.0	90.0	90.1	90.1	90.1
GE 1000	82.2	85.6	87.8	89.0	90.4	90.9	91.6	92.0	92.0	92.1	92.3	92.3	92.3
GE 900	82.4	85.8	88.2	89.4	90.9	91.5	92.2	92.7	92.7	92.8	93.1	93.1	93.1
GE 800	82.8	86.3	88.9	90.3	92.0	92.8	93.6	94.2	94.3	94.4	94.7	94.7	94.7
GE 700	82.9	86.5	89.2	90.8	92.7	93.5	94.3	95.0	95.2	95.4	95.6	95.6	95.6
GE 600	83.0	86.7	89.4	91.2	93.2	94.2	95.3	96.1	96.3	96.5	96.7	96.7	96.7
GE 500	83.1	86.9	89.6	91.5	93.4	94.5	95.7	96.7	97.0	97.3	97.7	97.7	97.7
GE 400	83.1	86.9	89.6	91.5	93.5	94.6	95.9	97.2	97.5	98.1	98.6	98.7	98.7
GE 300	83.1	86.9	89.6	91.5	93.5	94.7	96.0	97.2	97.5	98.3	99.0	99.2	99.2
GE 200	83.1	86.9	89.6	91.5	93.5	94.7	96.0	97.2	97.6	98.4	99.1	99.3	99.3
GE 100	83.1	86.9	89.6	91.5	93.5	94.7	96.0	97.2	97.6	98.4	99.1	99.3	99.3
GE 000	83.1	86.9	89.6	91.5	93.5	94.7	96.0	97.2	97.6	98.4	99.1	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 2983

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB MI  
ELEV: 46

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: OCT HOURS: ALL

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
1.0	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.4	42.5
1.1	43.4	43.4	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.8	43.8
1.3	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.9	43.9
1.3	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.9	43.9
1.2	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.7	50.9
1.5	51.3	51.3	51.3	51.3	51.3	51.9	51.9	52.0	52.0	52.0	52.2	52.3
1.7	54.9	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.4	55.5
1.4	55.6	55.6	55.7	55.7	55.8	55.8	55.9	55.9	55.9	55.9	56.1	56.2
1.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
1.3	60.6	60.6	60.7	60.7	60.8	60.8	60.9	60.9	60.9	60.9	61.1	61.1
1.2	62.3	62.3	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.8	62.9
1.5	64.0	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.5	64.5
1.5	64.9	65.0	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.6	65.7
1.7	63.3	63.4	63.6	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9
1.5	70.0	70.1	70.2	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.7	70.8
1.5	74.4	74.6	74.7	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.2	75.3
1.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
1.3	82.6	82.7	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.6	83.6
1.3	83.5	83.7	84.0	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.5	84.5
1.3	84.8	84.9	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.9	85.9
1.5	83.8	83.9	84.0	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.5	84.5
1.0	90.4	90.9	91.6	92.0	92.0	92.1	92.3	92.3	92.4	92.4	92.6	92.6
1.4	90.9	91.5	92.2	92.7	92.7	92.8	93.1	93.1	93.1	93.1	93.3	93.4
1.3	92.0	92.8	93.6	94.2	94.3	94.4	94.7	94.7	94.7	94.7	94.9	95.0
1.5	92.7	93.5	94.3	95.0	95.2	95.4	95.6	95.6	95.7	95.7	96.0	96.0
1.2	93.2	94.2	95.3	96.1	96.3	96.5	96.7	96.7	96.8	96.8	97.1	97.2
1.5	93.4	94.5	95.7	96.7	97.0	97.3	97.7	97.7	97.8	97.8	98.1	98.1
1.5	93.5	94.6	95.9	97.2	97.6	98.1	98.6	98.7	98.7	98.8	99.0	99.1
1.5	93.5	94.7	96.0	97.2	97.5	98.3	99.0	99.2	99.3	99.3	99.5	99.7
1.5	93.5	94.7	96.0	97.2	97.6	98.4	99.1	99.3	99.4	99.5	99.7	99.9
1.5	93.5	94.7	96.0	97.2	97.6	98.4	99.1	99.3	99.4	99.5	99.7	100.0
1.5	93.5	94.7	96.0	97.2	97.6	98.4	99.1	99.3	99.4	99.5	99.7	100.0

OPERATING LOCATION WAW  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: NOV HOURS: 06-0

CEILING	VISIBILITY IN STATUTE MILES												
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	31.9	33.3	34.4	34.4	35.5	35.9	36.3	36.3	36.3	36.3	36.6	36.6	37.0
GE 20000	35.5	38.1	40.3	40.7	41.4	41.3	42.1	42.1	42.1	42.1	42.5	42.5	42.9
GE 18000	35.5	38.1	40.3	40.7	41.4	41.3	42.1	42.1	42.1	42.1	42.5	42.5	42.9
GE 16000	35.9	38.5	40.7	41.0	41.8	42.1	42.5	42.5	42.5	42.5	42.9	42.9	43.3
GE 14000	37.0	39.6	41.8	42.1	42.9	43.2	43.6	43.6	43.6	43.6	44.0	44.0	44.4
GE 12000	38.5	41.0	43.2	43.6	44.3	44.7	45.1	45.1	45.1	45.1	45.4	45.4	45.8
GE 10000	40.7	43.6	45.8	46.2	47.3	47.6	48.0	48.0	48.0	48.0	48.4	48.4	48.8
GE 9000	41.0	44.0	46.2	46.5	48.0	48.4	48.7	48.7	48.7	48.7	49.1	49.1	49.5
GE 8000	42.5	45.8	48.4	49.1	50.5	50.9	51.3	51.3	51.3	51.3	51.6	51.6	52.0
GE 7000	44.3	47.5	50.2	51.3	52.7	53.1	53.5	53.5	53.5	53.5	53.8	53.8	54.2
GE 6000	45.4	49.1	51.6	52.7	54.2	54.6	55.3	55.3	55.3	55.3	55.7	55.7	56.1
GE 5000	45.5	49.5	52.0	53.1	54.6	54.9	55.7	55.7	55.7	55.7	56.0	56.0	56.4
GE 4500	47.6	51.3	53.8	54.9	56.4	56.8	57.5	57.5	57.5	57.5	57.9	57.9	58.3
GE 4000	48.7	52.4	54.9	56.0	57.5	57.9	58.6	58.6	58.6	58.6	59.0	59.0	59.4
GE 3500	50.2	54.2	56.8	57.9	59.3	59.7	60.4	60.4	60.4	60.4	60.8	60.8	61.2
GE 3000	52.7	56.4	59.3	60.4	61.9	62.3	63.0	63.0	63.0	63.0	63.4	63.4	63.8
GE 2500	55.7	59.7	62.6	64.1	65.6	65.9	66.7	66.7	66.7	66.7	67.0	67.0	67.4
GE 2000	60.4	64.8	67.8	69.6	71.4	71.8	72.5	72.5	72.5	72.5	72.9	72.9	73.3
GE 1800	62.3	66.7	70.0	71.3	73.6	74.0	74.7	74.7	74.7	74.7	75.1	75.1	75.5
GE 1500	64.6	69.6	73.3	75.2	77.7	78.0	79.1	79.1	79.1	79.1	79.5	79.5	79.9
GE 1200	67.0	72.2	76.2	78.8	80.6	81.3	82.4	82.4	82.4	82.4	82.8	82.8	83.2
GE 1000	68.1	73.6	78.0	81.0	83.5	84.6	86.1	86.1	86.1	87.2	87.5	87.5	87.9
GE 900	68.1	73.6	78.0	81.0	83.5	84.6	86.1	86.1	86.1	87.2	87.5	87.5	87.9
GE 800	68.5	74.0	78.4	81.3	83.9	85.3	86.3	87.2	87.2	88.3	89.0	89.0	89.4
GE 700	69.2	74.7	79.1	82.4	85.7	87.2	88.6	89.4	89.7	90.8	91.6	91.6	92.0
GE 600	69.2	74.7	79.1	82.8	86.1	87.5	89.0	89.7	90.1	91.2	91.9	91.9	92.3
GE 500	69.2	74.7	79.1	82.8	86.1	87.5	89.0	89.7	90.1	91.2	91.9	91.9	92.3
GE 400	69.2	74.7	79.1	83.2	86.4	88.3	90.5	92.7	93.0	94.1	96.0	96.3	96.7
GE 300	69.2	74.7	79.1	83.2	86.4	88.3	90.5	93.0	93.4	94.5	96.3	96.7	97.1
GE 200	69.2	74.7	79.1	83.2	86.4	88.3	90.5	93.0	93.4	94.9	97.4	97.8	98.2
GE 100	69.2	74.7	79.1	83.2	86.4	88.3	90.5	93.0	93.4	95.2	97.8	98.2	98.6
GE 000	69.2	74.7	79.1	83.2	86.4	88.3	90.5	93.0	93.4	95.2	97.8	98.2	98.6

TOTAL NUMBER OF OBSERVATIONS 273



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGR WI  
# 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: 06-08

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
35.5	35.9	36.3	36.3	36.3	36.3	36.6	36.6	37.0	37.0	37.0	37.0
41.4	41.3	42.1	42.1	42.1	42.1	42.5	42.5	42.9	42.9	42.9	42.9
41.4	41.3	42.1	42.1	42.1	42.1	42.5	42.5	42.9	42.9	42.9	42.9
41.5	42.1	42.5	42.5	42.5	42.5	42.9	42.9	43.2	43.2	43.2	43.2
43.9	43.2	43.6	43.6	43.6	43.6	44.0	44.0	44.3	44.3	44.3	44.3
44.3	44.7	45.1	45.1	45.1	45.1	45.4	45.4	45.8	45.8	45.8	45.8
47.3	47.6	48.0	48.0	48.0	48.0	48.4	48.4	48.7	48.7	48.7	48.7
48.0	48.4	48.7	48.7	48.7	48.7	49.1	49.1	49.5	49.5	49.5	49.5
50.5	50.9	51.3	51.3	51.3	51.3	51.6	51.6	52.0	52.0	52.0	52.0
52.7	53.1	53.5	53.5	53.5	53.5	53.8	53.8	54.2	54.2	54.2	54.2
54.2	54.6	55.0	55.0	55.0	55.0	55.4	55.4	55.8	55.8	55.8	55.8
56.9	57.3	57.7	57.7	57.7	57.7	58.1	58.1	58.5	58.5	58.5	58.5
59.4	59.8	60.2	60.2	60.2	60.2	60.6	60.6	61.0	61.0	61.0	61.0
61.9	62.3	62.7	62.7	62.7	62.7	63.1	63.1	63.5	63.5	63.5	63.5
65.6	66.0	66.4	66.4	66.4	66.4	66.8	66.8	67.2	67.2	67.2	67.2
71.4	71.8	72.2	72.2	72.2	72.2	72.6	72.6	73.0	73.0	73.0	73.0
73.6	74.0	74.4	74.4	74.4	74.4	74.8	74.8	75.2	75.2	75.2	75.2
77.7	78.1	78.5	78.5	78.5	78.5	78.9	78.9	79.3	79.3	79.3	79.3
82.6	83.0	83.4	83.4	83.4	83.4	83.8	83.8	84.2	84.2	84.2	84.2
88.5	88.9	89.3	89.3	89.3	89.3	89.7	89.7	90.1	90.1	90.1	90.1
93.5	93.9	94.3	94.3	94.3	94.3	94.7	94.7	95.1	95.1	95.1	95.1
97.7	98.1	98.5	98.5	98.5	98.5	98.9	98.9	99.3	99.3	99.3	99.3
99.1	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGWS WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: NOV HOURS: 09-11

CEILING		VISIBILITY IN STATUTE MILES												
IN FEET		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL		33.8	34.9	36.0	36.3	36.7	36.8	37.2	37.3	37.3	37.3	37.4	37.4	37.4
GE 20000		39.0	40.3	41.5	41.8	42.1	42.3	42.5	42.8	42.8	42.8	42.9	42.9	42.9
GE 18000		39.2	40.4	41.5	41.7	42.3	42.4	42.3	42.9	42.9	42.9	43.0	43.0	43.0
GE 16000		39.3	40.5	41.8	42.0	42.4	42.5	42.9	43.0	43.0	43.0	43.1	43.1	43.1
GE 14000		40.0	41.3	42.5	42.5	43.1	43.3	43.5	43.8	43.8	43.8	43.9	43.9	43.9
GE 12000		41.9	43.3	44.5	44.9	45.3	45.4	45.8	45.9	45.9	45.9	46.0	46.0	46.0
GE 10000		45.1	47.0	48.6	49.0	49.5	49.6	50.0	50.1	50.1	50.1	50.2	50.2	50.2
GE 9000		45.3	47.6	49.3	49.5	50.2	50.4	50.7	50.9	50.9	50.9	51.0	51.0	51.0
GE 8000		47.7	49.9	51.5	52.2	53.0	53.1	53.5	53.6	53.6	53.6	53.7	53.7	53.7
GE 7000		49.5	52.0	53.9	54.5	55.2	55.4	55.7	55.9	55.9	55.9	56.0	56.0	56.0
GE 6000		50.7	53.1	55.0	55.5	56.4	56.6	57.0	57.1	57.1	57.1	57.2	57.2	57.2
GE 5000		51.2	53.5	55.7	56.4	57.1	57.4	57.7	57.9	57.9	57.9	58.0	58.0	58.0
GE 4500		52.1	54.5	56.6	57.4	58.1	58.4	58.7	58.9	58.9	58.9	59.0	59.0	59.0
GE 4000		53.9	56.2	58.4	59.1	59.9	60.1	60.5	60.7	60.7	60.7	60.8	60.8	60.8
GE 3500		54.9	57.2	59.4	60.1	60.8	61.1	61.5	61.7	61.7	61.7	61.8	61.8	61.8
GE 3000		55.7	58.4	60.5	61.2	62.0	62.2	62.5	62.8	62.8	62.8	63.0	63.0	63.0
GE 2500		60.5	63.5	65.7	66.5	67.2	67.5	68.0	68.2	68.2	68.2	68.3	68.3	68.3
GE 2000		66.3	67.6	71.8	72.9	74.1	74.4	74.8	75.1	75.1	75.1	75.3	75.4	75.4
GE 1800		68.0	71.2	73.6	74.7	75.8	76.2	76.5	76.8	76.8	76.8	77.1	77.2	77.2
GE 1500		69.8	74.2	76.8	78.1	79.2	79.7	80.2	80.8	80.8	81.0	81.2	81.2	81.2
GE 1200		71.4	76.5	79.3	80.8	82.0	82.7	83.2	83.8	83.8	84.2	84.3	84.3	84.3
GE 1000		72.3	77.8	80.8	82.5	83.8	84.8	85.3	85.9	85.9	86.4	86.7	86.7	86.7
GE 900		72.7	78.2	81.4	83.4	84.8	85.9	86.4	87.3	87.3	87.8	88.0	88.0	88.0
GE 800		72.7	78.2	81.4	83.7	85.4	86.5	87.2	88.2	88.2	88.7	88.9	88.9	88.9
GE 700		72.9	78.6	81.9	84.3	86.3	87.5	88.4	89.4	89.8	90.3	90.5	90.9	91.0
GE 600		72.9	78.6	81.9	84.3	86.7	87.9	89.0	90.5	90.8	91.4	91.6	92.0	92.1
GE 500		72.9	78.6	82.2	84.7	87.2	88.9	90.3	91.9	92.0	93.1	93.4	93.9	93.9
GE 400		72.9	78.6	82.2	85.0	87.5	89.8	91.5	94.0	94.3	95.5	96.3	96.6	96.6
GE 300		72.9	78.7	82.3	85.2	88.0	90.1	92.0	94.8	95.1	96.8	98.3	98.6	98.9
GE 200		72.9	78.7	82.3	85.3	88.2	90.3	92.1	94.9	95.3	96.9	98.9	99.4	99.9
GE 100		72.9	78.7	82.3	85.3	88.2	90.3	92.1	94.9	95.3	96.9	98.9	99.4	99.9
GE 000		72.9	78.7	82.3	85.3	88.2	90.3	92.1	94.9	95.3	96.9	98.9	99.4	99.9

TOTAL NUMBER OF OBSERVATIONS 302

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI  
FC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: 09-11

VISIBILITY IN STATUTE MILES											
GE J	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
35.7	36.3	37.2	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4
42.1	42.3	42.5	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9
42.3	42.4	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0
42.4	42.5	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1
43.1	43.3	43.6	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9
45.3	45.4	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
49.5	49.6	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2
50.2	50.4	50.7	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0
53.0	53.1	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7
55.2	55.4	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0
55.4	56.6	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
57.1	57.4	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0
58.1	58.4	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
59.9	60.1	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8
60.8	61.1	61.5	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
62.0	62.2	62.5	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0
67.2	67.5	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3
74.1	74.4	74.8	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4
75.3	76.2	76.5	76.8	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2
79.2	79.7	80.2	80.8	80.8	81.0	81.2	81.2	81.2	81.2	81.2	81.2
82.0	82.7	83.2	83.3	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3
83.8	84.3	85.3	85.9	85.9	86.4	86.7	86.7	86.7	86.7	86.7	86.7
84.8	85.9	86.4	87.3	87.3	87.8	88.0	88.0	88.0	88.0	88.0	88.0
85.4	86.5	87.2	88.2	88.2	88.7	88.9	88.9	88.9	88.9	88.9	88.9
86.3	87.5	88.4	89.3	89.8	90.3	90.5	90.9	91.0	91.0	91.0	91.0
86.7	87.9	89.0	90.5	90.8	91.4	91.6	92.0	92.1	92.1	92.1	92.1
87.2	88.9	90.3	91.9	92.0	93.1	93.4	93.8	93.9	93.9	93.9	93.9
87.5	89.8	91.5	94.0	94.3	95.5	96.3	96.6	96.8	96.8	96.8	96.8
88.0	90.1	92.0	94.3	95.1	96.5	98.3	98.6	98.9	98.9	99.0	99.0
88.2	90.3	92.1	94.9	95.3	96.9	98.9	99.4	99.8	99.8	100.0	100.0
88.2	90.3	92.1	94.9	95.3	96.9	98.9	99.4	99.8	99.8	100.0	100.0
88.2	90.3	92.1	94.9	95.3	96.9	98.9	99.4	99.8	99.8	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB AL  
LST TO UTC: + 6

PERIOD OF RECORD: A  
MONTH: NOV HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	38.3	40.0	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 20000	44.0	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 18000	44.2	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 16000	44.3	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 14000	44.3	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 12000	47.5	49.4	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000	50.1	52.1	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 9000	50.6	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 8000	52.3	54.3	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 7000	53.0	55.0	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 6000	55.0	57.1	57.5	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1
GE 5000	56.3	58.9	59.4	59.6	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.1
GE 4500	57.3	59.4	59.9	60.1	60.5	60.5	60.5	60.6	60.6	60.6	61.0	61.0
GE 4000	59.0	61.1	61.5	61.8	62.2	62.2	62.2	62.3	62.3	62.3	62.7	62.7
GE 3500	59.5	61.5	62.1	62.3	62.7	62.7	62.7	62.8	62.8	62.8	63.2	63.2
GE 3000	61.7	63.4	64.3	64.5	65.1	65.1	65.1	65.4	65.4	65.4	65.8	65.8
GE 2500	65.8	68.2	69.1	69.5	70.4	70.4	70.4	70.7	70.7	70.7	71.1	71.1
GE 2000	70.4	73.5	74.9	75.6	76.7	76.7	76.7	77.0	77.0	77.0	77.3	77.3
GE 1800	71.2	74.5	76.2	77.1	78.4	78.4	78.4	78.7	78.7	78.7	79.1	79.1
GE 1500	73.3	77.6	79.4	80.5	82.3	82.5	82.5	82.8	82.8	82.8	83.3	83.3
GE 1200	74.3	79.2	81.3	82.5	84.4	84.7	84.9	85.1	85.1	85.3	85.7	85.7
GE 1000	74.3	79.7	82.0	83.7	86.3	86.8	87.3	87.6	87.6	87.8	88.2	88.2
GE 900	75.1	80.0	82.8	84.5	87.2	87.9	88.4	88.8	88.8	89.0	89.4	89.4
GE 800	75.4	80.7	83.7	85.6	88.3	89.4	90.1	90.9	90.9	91.1	91.6	91.6
GE 700	75.4	80.7	84.2	86.5	89.4	90.5	91.5	92.2	92.2	92.6	93.2	93.2
GE 600	75.4	80.7	84.4	87.3	90.8	91.9	93.0	93.7	93.7	94.3	95.0	95.0
GE 500	75.4	80.7	84.9	88.2	91.6	93.0	94.2	95.0	95.1	95.7	96.6	96.6
GE 400	75.4	80.7	85.0	88.3	91.9	93.2	94.7	95.4	95.7	96.4	97.5	97.5
GE 300	75.4	80.7	85.0	88.3	91.9	93.2	94.8	95.7	96.1	96.8	98.3	98.4
GE 200	75.4	80.7	85.0	88.3	91.9	93.2	95.1	95.9	96.3	97.0	98.6	99.0
GE 100	75.4	80.7	85.0	88.3	91.9	93.2	95.1	95.9	96.3	97.0	98.6	99.0
GE 000	75.4	80.7	85.0	88.3	91.9	93.2	95.1	95.9	96.3	97.0	98.6	99.0

TOTAL NUMBER OF OBSERVATIONS 812

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGWS MI  
CE: + 6

PERIOD OF RECORD: AUG 73 - JUL 74  
MONTH: NOV HOURS: 12-14

VISIBILITY IN STATUTE MILES

GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	
40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
60.5	60.5	60.5	60.6	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0
62.2	62.2	62.2	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7
62.7	62.7	62.7	62.8	62.8	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2
65.1	65.1	65.1	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8
70.4	70.4	70.4	70.7	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1
75.7	75.7	75.7	77.0	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
78.4	78.4	78.4	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1
82.3	82.5	82.5	82.8	82.8	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3
84.4	84.7	84.9	85.1	85.1	85.3	85.7	85.7	85.8	85.8	85.8	85.8	85.8
86.3	86.8	87.3	87.6	87.6	87.8	88.2	88.2	88.3	88.3	88.3	88.3	88.3
87.2	87.9	88.4	88.8	88.8	89.0	89.4	89.4	89.5	89.5	89.5	89.5	89.5
89.3	89.4	90.1	90.9	90.9	91.1	91.6	91.6	91.7	91.7	91.7	91.7	91.7
89.4	90.5	91.5	92.2	92.2	92.6	93.2	93.2	93.3	93.3	93.3	93.3	93.3
90.8	91.9	93.0	93.7	93.7	94.3	95.0	95.0	95.1	95.1	95.1	95.1	95.1
91.6	93.0	94.2	95.0	95.1	95.7	96.6	96.6	96.7	96.7	96.7	96.7	96.7
91.9	93.2	94.7	95.4	95.7	96.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7
91.9	93.2	94.8	95.7	96.1	96.8	98.3	98.4	98.9	98.9	99.0	99.0	99.0
91.9	93.2	95.1	95.9	96.3	97.0	98.6	99.0	99.6	99.6	99.8	99.8	99.8
91.9	93.2	95.1	95.9	96.3	97.0	98.6	99.0	99.9	99.9	100.0	100.0	100.0
91.9	93.2	95.1	95.9	96.3	97.0	98.6	99.0	99.9	99.9	100.0	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECO  
MONTH: NOV H

CEILING IN FEET	VISIBILITY IN STATUTE MILES										
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4
NO CEIL	39.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 20000	47.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 18000	48.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 15000	48.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 14000	49.6	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	52.6	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 10000	55.1	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 9000	56.5	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 8000	57.0	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 7000	58.1	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 6000	60.1	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 5000	60.3	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 4500	61.7	63.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4000	64.0	66.0	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 3500	64.7	66.7	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 3000	68.0	70.0	71.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 2500	72.2	74.4	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 2000	77.3	80.5	82.7	82.7	83.1	83.3	83.3	83.3	83.3	83.3	83.3
GE 1800	78.7	81.4	83.3	83.3	84.2	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500	79.2	82.4	85.8	86.2	87.5	88.1	88.1	88.1	88.1	88.1	88.1
GE 1200	80.5	83.3	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3
GE 1000	81.3	85.1	89.7	90.4	91.7	92.3	92.3	92.3	92.3	92.3	92.5
GE 900	81.4	85.3	90.1	90.3	92.1	92.6	92.6	92.6	92.6	92.6	92.8
GE 800	81.6	85.5	90.4	91.4	92.6	93.2	93.6	93.6	93.6	93.6	93.9
GE 700	81.6	85.7	90.3	92.1	93.9	94.5	95.0	95.2	95.2	95.2	95.6
GE 600	81.8	85.3	91.4	92.8	94.7	95.2	96.0	96.1	96.1	96.1	96.6
GE 500	81.8	85.3	91.5	93.0	95.2	95.8	96.5	96.7	96.7	96.7	97.1
GE 400	81.8	85.8	91.5	93.0	95.2	95.8	96.7	96.9	96.9	96.9	97.4
GE 300	82.0	86.0	91.9	93.6	95.0	96.5	97.4	97.6	97.6	97.6	98.5
GE 200	82.0	86.0	91.9	93.6	96.0	96.5	97.4	97.6	97.6	97.6	98.7
GE 100	82.0	86.0	91.9	93.6	96.0	96.5	97.4	97.6	97.6	97.6	98.7
GE 000	82.0	86.0	91.9	93.6	96.0	96.5	97.4	97.6	97.6	97.6	98.7

TOTAL NUMBER OF OBSERVATIONS 544

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: NOV HOURS: 15-17

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
1	43.9	48.9	43.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
5	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
10	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
11	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
12	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
13	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
14	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
15	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
16	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
17	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
18	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
19	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
20	90.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
21	91.7	92.3	92.3	92.3	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6
22	92.1	92.6	92.6	92.6	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0
23	92.6	93.2	93.6	93.6	93.6	93.6	93.9	94.1	94.1	94.1	94.1	94.1
24	93.9	94.5	95.0	95.2	95.2	95.2	95.5	95.8	96.0	96.0	96.0	96.0
25	94.7	95.2	96.0	96.1	96.1	96.1	96.5	96.7	96.9	96.9	96.9	96.9
26	95.2	95.8	96.5	96.7	96.7	96.7	97.1	97.2	97.4	97.4	97.4	97.4
27	95.2	95.8	96.7	96.9	96.9	96.9	97.4	97.6	97.8	97.8	97.8	97.8
28	95.0	96.5	97.4	97.6	97.6	97.6	98.5	98.7	98.9	98.9	99.3	99.3
29	96.0	96.5	97.4	97.6	97.6	97.6	98.7	98.9	99.1	99.1	99.6	99.8
30	96.0	96.5	97.4	97.6	97.6	97.6	98.7	98.9	99.1	99.1	99.6	100.0
31	96.0	96.5	97.4	97.6	97.6	97.6	98.7	98.9	99.1	99.1	99.6	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 5	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	36.4	37.8	38.3	38.5	38.7	38.8	39.0	39.0	39.0	39.0	39.1	39.1
GE 20000	42.2	43.8	44.5	44.7	44.9	45.0	45.1	45.2	45.2	45.2	45.2	45.2
GE 18000	42.4	44.1	44.8	44.9	45.1	45.2	45.4	45.4	45.4	45.4	45.5	45.5
GE 16000	42.5	44.2	44.9	45.0	45.2	45.3	45.5	45.5	45.5	45.5	45.6	45.6
GE 14000	43.4	45.1	45.3	45.9	46.2	46.2	46.4	46.4	46.4	46.4	46.5	46.5
GE 12000	45.8	47.5	48.3	48.5	48.7	48.8	49.0	49.0	49.0	49.0	49.1	49.1
GE 10000	48.5	50.5	51.4	51.6	51.9	52.0	52.2	52.2	52.2	52.2	52.3	52.3
GE 9000	49.0	51.0	51.9	52.1	52.5	52.6	52.7	52.8	52.8	52.8	52.9	52.9
GE 8000	50.9	52.8	53.5	54.2	54.6	54.7	54.9	54.9	54.9	54.9	55.0	55.0
GE 7000	52.0	54.2	55.3	55.7	56.1	56.2	56.4	56.4	56.4	56.4	56.5	56.5
GE 6000	53.7	55.9	57.1	57.5	57.9	58.0	58.2	58.3	58.3	58.3	58.5	58.5
GE 5000	54.5	56.4	58.0	58.5	58.9	59.1	59.3	59.4	59.4	59.4	59.5	59.5
GE 4500	55.5	57.8	59.1	59.6	60.1	60.2	60.4	60.5	60.5	60.5	60.7	60.7
GE 4000	57.3	59.6	60.9	61.4	61.9	62.1	62.3	62.4	62.4	62.4	62.6	62.6
GE 3500	58.1	60.5	61.8	62.2	62.8	62.9	63.1	63.3	63.3	63.3	63.5	63.5
GE 3000	60.1	62.5	64.1	64.5	65.2	65.4	65.6	65.7	65.7	65.7	65.9	65.9
GE 2500	64.3	67.1	68.9	69.5	70.3	70.4	70.6	70.6	70.6	70.6	71.0	71.0
GE 2000	69.5	72.8	74.8	75.6	76.7	76.9	77.1	77.3	77.3	77.3	77.5	77.5
GE 1800	70.8	74.1	76.3	77.2	78.3	78.5	78.7	78.9	78.9	79.0	79.2	79.2
GE 1500	72.5	76.6	79.3	80.5	81.9	82.3	82.6	82.9	82.9	83.0	83.2	83.2
GE 1200	73.9	78.6	81.5	82.8	84.4	84.9	85.2	85.5	85.5	85.7	85.9	85.9
GE 1000	74.7	79.6	82.9	84.5	86.4	87.1	87.6	87.9	87.9	88.3	88.6	88.6
GE 900	74.9	79.9	83.4	85.2	87.1	87.9	88.4	88.9	88.9	89.2	89.5	89.6
GE 800	75.1	80.2	83.9	85.3	87.8	88.9	89.6	90.2	90.2	90.5	91.0	91.0
GE 700	75.3	80.4	84.4	86.5	89.0	90.0	91.0	91.8	91.8	92.2	92.7	92.9
GE 600	75.3	80.5	84.5	87.0	89.8	90.8	91.9	92.8	92.9	93.4	93.9	94.1
GE 500	75.3	80.5	84.8	87.5	90.3	91.7	92.9	93.9	94.0	94.7	95.2	95.4
GE 400	75.3	80.5	84.9	87.7	90.7	92.1	93.6	95.0	95.2	96.0	96.9	97.1
GE 300	75.4	80.5	85.0	87.9	90.9	92.4	94.0	95.5	95.8	96.7	98.1	98.4
GE 200	75.4	80.5	85.0	87.9	91.0	92.4	94.1	95.6	95.9	96.9	98.6	99.0
GE 100	75.4	80.5	85.0	87.9	91.0	92.4	94.1	95.6	95.9	96.9	98.6	99.0
GE 000	75.4	80.5	85.0	87.9	91.0	92.4	94.1	95.6	95.9	96.9	98.6	99.0

TOTAL NUMBER OF OBSERVATIONS 2431



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV HOURS: ALL

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
1	38.7	38.8	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1
2	44.7	44.9	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.3
3	44.9	45.1	45.2	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5
4	45.0	45.2	45.3	45.5	45.5	45.5	45.5	45.6	45.6	45.7	45.7	45.7
5	46.0	46.2	46.2	46.4	46.4	46.4	46.4	46.5	46.5	46.6	46.6	46.6
6	46.5	46.7	46.8	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1
7	51.5	51.9	52.0	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3
8	52.1	52.5	52.6	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9
9	54.2	54.6	54.7	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0
10	56.7	56.1	56.2	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
11	57.5	57.9	58.0	58.2	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
12	58.9	59.1	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
13	60.1	60.2	60.4	60.5	60.5	60.5	60.7	60.7	60.8	60.8	60.8	60.8
14	61.9	62.1	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6
15	62.8	62.9	63.1	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5
16	65.2	65.4	65.6	65.7	65.7	65.7	65.9	65.9	66.0	66.0	66.0	66.0
17	70.3	70.4	70.6	70.5	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0
18	75.7	76.9	77.1	77.3	77.3	77.3	77.5	77.5	77.6	77.6	77.6	77.6
19	78.3	78.5	78.7	78.9	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2
20	81.9	82.3	82.6	82.9	82.9	83.0	83.2	83.2	83.3	83.3	83.3	83.3
21	84.4	84.9	85.2	85.5	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.0
22	86.4	87.1	87.6	87.9	87.9	88.3	88.6	88.6	88.7	88.7	88.7	88.7
23	87.1	87.9	88.4	88.9	88.9	89.2	89.5	89.6	89.7	89.7	89.7	89.7
24	87.8	88.9	89.6	90.2	90.2	90.5	91.0	91.0	91.1	91.1	91.1	91.1
25	89.0	90.0	91.0	91.8	91.8	92.2	92.7	92.9	93.0	93.0	93.0	93.0
26	89.8	90.8	91.9	92.8	92.9	93.4	93.9	94.1	94.2	94.2	94.2	94.2
27	90.3	91.7	92.9	93.9	94.0	94.7	95.2	95.4	95.6	95.6	95.6	95.6
28	90.7	92.1	93.6	95.0	95.2	96.0	96.9	97.1	97.3	97.3	97.3	97.3
29	90.9	92.4	94.0	95.5	95.8	96.7	98.1	98.4	98.7	98.7	98.9	98.9
30	91.0	92.4	94.1	95.6	95.9	96.9	98.6	99.0	99.4	99.4	99.7	99.8
31	91.0	92.4	94.1	95.6	95.9	96.9	98.6	99.0	99.5	99.5	99.8	100.0
32	91.0	92.4	94.1	95.6	95.9	96.9	98.6	99.0	99.5	99.5	99.8	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: ALL  
MONTH: DEC HOURS: 0

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	32.7	33.5	35.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	34.5	35.2	37.3	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7
GE 19000	34.5	35.2	37.3	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7
GE 18000	34.5	35.2	37.3	38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7
GE 17000	34.9	35.6	37.7	39.1	39.1	39.1	39.4	39.4	39.4	39.4	39.4	39.4
GE 16000	37.0	38.0	40.1	41.5	41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9
GE 15000	39.3	41.2	43.3	44.7	44.7	44.7	45.4	45.4	45.4	45.4	45.4	45.4
GE 14000	40.1	41.5	43.7	45.1	45.1	45.1	45.8	45.8	45.8	45.8	45.8	45.8
GE 13000	43.0	44.4	46.5	47.9	47.9	47.9	48.6	48.6	48.6	48.6	48.6	48.6
GE 12000	43.3	44.7	46.8	48.2	48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9
GE 11000	44.7	46.1	48.2	49.6	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7
GE 10000	45.8	47.5	49.6	51.1	51.4	51.4	52.1	52.5	52.5	52.5	52.5	52.5
GE 9000	46.1	47.9	50.0	51.4	51.8	51.8	52.5	52.8	52.8	52.8	52.8	52.8
GE 8000	47.2	48.9	51.4	52.8	53.2	53.2	53.9	54.2	54.2	54.2	54.2	54.2
GE 7000	47.5	49.3	51.8	53.2	53.5	53.5	54.6	54.9	54.9	54.9	54.9	54.9
GE 6000	50.7	52.5	54.9	56.7	57.0	57.0	58.5	58.8	58.8	58.8	58.8	58.8
GE 5000	52.1	53.9	56.3	58.1	58.5	58.5	59.9	60.2	60.2	60.2	60.2	60.2
GE 4000	56.3	58.1	60.6	62.7	64.1	64.4	66.2	66.5	66.5	66.5	66.5	66.5
GE 3000	56.7	58.5	61.3	63.4	64.8	65.1	66.9	67.3	67.3	67.3	67.3	67.3
GE 2000	60.2	63.0	66.5	68.7	70.1	70.4	72.5	73.2	73.2	73.6	73.6	73.6
GE 1500	62.7	65.8	69.4	71.5	72.9	73.2	75.4	76.4	76.4	76.8	76.8	76.8
GE 1000	64.4	68.0	71.5	74.3	75.7	76.4	78.9	80.3	80.6	81.0	81.0	81.0
GE 900	65.1	68.7	72.5	75.4	76.8	77.5	79.9	81.3	81.7	82.0	82.0	82.0
GE 800	65.5	69.4	73.5	76.4	78.2	78.9	81.3	83.1	83.5	83.8	83.8	83.8
GE 700	65.8	69.7	74.3	77.5	79.9	80.6	83.5	85.2	85.6	85.9	85.9	85.9
GE 600	65.8	69.7	74.6	78.5	81.3	82.0	84.9	86.6	87.0	87.7	88.0	88.0
GE 500	66.2	70.4	75.4	79.6	82.4	83.5	86.6	89.4	89.8	90.8	91.2	91.2
GE 400	66.2	70.4	75.4	79.6	82.4	83.8	87.3	90.5	90.8	91.9	92.6	92.6
GE 300	66.2	70.4	75.4	79.6	82.4	84.2	88.0	91.2	91.5	92.5	93.3	93.7
GE 200	66.2	70.4	75.4	79.6	82.4	84.2	88.0	91.5	91.9	93.0	94.4	94.7
GE 100	66.2	70.4	75.4	79.6	82.4	84.2	88.0	91.5	91.9	93.0	94.7	95.1
GE 000	66.2	70.4	75.4	79.6	82.4	84.2	88.0	91.5	91.9	93.0	94.7	95.1

TOTAL NUMBER OF OBSERVATIONS 284

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
MTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 06-08

VISIBILITY IN STATUTE MILES												
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GF
3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4		0
36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
38.4	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
39.1	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
41.5	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
44.7	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
45.1	45.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
47.9	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
51.4	51.4	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
51.8	51.8	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
53.2	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
53.5	53.5	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
57.0	57.0	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
58.5	58.5	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
64.1	64.4	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
64.3	65.1	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
70.1	70.4	72.5	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
72.9	73.2	75.4	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
75.7	76.4	78.9	80.3	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
76.8	77.5	79.9	81.3	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
78.2	78.9	81.3	83.1	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
79.9	80.6	83.5	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.3
81.3	82.0	84.9	86.6	87.0	87.7	88.0	88.0	88.4	88.4	88.4	88.4	88.7
82.4	83.5	85.6	89.4	89.8	90.8	91.2	91.2	91.5	91.5	91.5	91.5	91.9
82.4	83.8	87.3	90.5	90.8	91.9	92.6	92.6	93.7	93.7	93.7	93.7	94.0
82.4	84.2	88.0	91.2	91.5	92.5	93.3	93.7	95.8	95.8	95.8	96.8	97.2
82.4	84.2	88.0	91.5	91.9	93.0	94.4	94.7	96.9	96.9	96.9	98.2	98.6
82.4	84.2	88.0	91.5	91.9	93.0	94.7	95.1	97.5	97.5	97.5	99.6	100.0
82.4	84.2	88.0	91.5	91.9	93.0	94.7	95.1	97.5	97.5	97.5	99.6	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG2 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7  
MONTH: DEC HOURS: 09-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	33.6	34.4	35.2	35.9	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 20000	39.2	40.0	40.8	41.8	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6
GE 18000	39.2	40.0	40.8	41.8	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6
GE 16000	39.2	40.0	40.8	41.8	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6
GE 14000	40.0	40.8	41.7	42.8	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 12000	41.2	42.4	43.3	44.5	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 10000	43.7	45.4	46.5	47.8	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 9000	44.7	45.8	46.8	48.1	48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 8000	46.9	48.5	49.5	50.8	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 7000	48.1	49.6	50.7	52.0	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000	49.5	51.3	52.3	53.8	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 5000	50.6	52.3	53.6	55.0	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6
GE 4500	51.1	53.3	54.6	56.0	57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6
GE 4000	52.1	54.7	56.1	57.5	58.8	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4
GE 3500	52.9	55.5	56.9	58.3	59.6	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2
GE 3000	54.1	56.7	58.5	59.9	61.5	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1
GE 2500	55.9	58.5	60.2	61.5	63.3	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8
GE 2000	58.9	61.9	63.6	65.0	67.0	67.3	67.5	68.0	68.0	68.1	68.2	68.2	68.2
GE 1800	60.1	63.4	65.3	66.7	68.7	68.9	69.1	69.6	69.6	69.7	69.8	69.8	69.8
GE 1500	62.7	66.3	68.9	70.5	72.9	73.2	73.9	74.5	74.5	74.6	74.9	74.9	74.9
GE 1200	65.3	69.2	71.9	73.7	76.4	76.9	77.5	78.3	78.3	78.4	78.6	78.6	78.6
GE 1000	66.5	71.1	74.2	76.5	79.5	79.9	80.6	81.6	81.6	81.9	82.4	82.6	82.6
GE 900	67.1	71.7	74.9	77.3	80.4	80.9	81.6	82.6	82.6	83.0	83.5	83.7	83.7
GE 800	67.4	72.1	75.4	78.2	81.5	82.0	82.9	84.0	84.0	84.5	85.0	85.2	85.2
GE 700	67.6	72.4	75.8	78.8	82.2	82.9	83.8	85.4	85.6	86.5	87.0	87.2	87.2
GE 600	67.3	72.8	76.4	79.3	83.1	84.0	85.0	87.0	87.1	88.5	89.0	89.3	89.3
GE 500	68.2	73.4	77.3	80.4	84.2	85.2	86.3	89.1	89.3	91.3	91.9	92.3	92.3
GE 400	68.2	73.4	77.3	80.5	84.4	85.6	86.7	89.8	90.0	92.1	93.1	93.8	93.8
GE 300	68.2	73.4	77.3	80.5	84.4	85.6	87.0	90.1	90.5	92.3	93.8	94.8	94.8
GE 200	68.2	73.4	77.3	80.5	84.4	85.6	87.0	90.1	90.5	93.1	94.4	95.5	95.5
GE 100	68.2	73.4	77.3	80.5	84.4	85.6	87.0	90.1	90.5	93.1	94.4	95.5	95.5
GE 000	68.2	73.4	77.3	80.5	84.4	85.6	87.0	90.1	90.5	93.1	94.4	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 852

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGE WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 09-11

VISIBILITY IN STATUTE MILES

	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
42.5	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
58.8	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
59.6	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
61.5	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
63.3	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
67.0	67.3	67.5	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
68.7	68.9	69.1	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
72.9	73.2	73.9	74.5	74.5	74.6	74.9	74.9	74.9	75.0	75.0	75.1	75.1
76.4	76.9	77.5	78.3	78.3	78.4	78.6	78.6	78.6	78.9	78.9	79.0	79.0
79.5	79.9	80.5	81.5	81.5	81.9	82.4	82.6	82.9	83.0	83.0	83.1	83.1
80.4	80.9	81.6	82.6	82.6	83.0	83.5	83.7	83.9	84.0	84.0	84.2	84.2
81.5	82.0	82.9	84.0	84.0	84.5	85.0	85.2	85.4	85.5	85.5	85.7	85.7
82.2	82.9	83.8	85.4	85.6	86.5	87.0	87.2	87.4	87.6	87.6	87.7	87.7
83.1	84.0	85.0	87.0	87.1	88.5	89.0	89.3	89.7	89.8	89.8	90.0	90.0
84.2	85.2	86.3	89.1	89.3	91.3	91.9	92.3	92.7	92.8	92.8	93.1	93.1
84.4	85.6	85.7	89.8	90.0	92.1	93.1	93.8	94.6	94.7	94.7	95.0	95.1
84.4	85.6	87.0	90.1	90.5	92.3	93.8	94.8	96.4	96.5	96.5	96.9	97.3
84.4	85.6	87.0	90.1	90.5	93.1	94.4	95.5	97.2	97.3	97.3	98.2	98.6
84.4	85.6	87.0	90.1	90.5	93.1	94.4	95.5	97.4	97.7	97.7	99.5	100.0
84.4	85.6	87.0	90.1	90.5	93.1	94.4	95.5	97.4	97.7	97.7	99.5	100.0

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSU  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGE MI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: DEC HOUR

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	39.5	40.1	40.6	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40
GE 20000	47.3	48.2	48.7	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49
GE 18000	47.5	48.4	48.9	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49
GE 16000	47.5	48.4	48.9	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49
GE 14000	48.4	49.4	49.8	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50
GE 12000	49.1	50.1	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51
GE 10000	51.9	53.2	53.9	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54
GE 9000	51.9	53.2	53.9	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54
GE 8000	55.1	56.5	57.2	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57
GE 7000	56.0	57.7	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59
GE 6000	57.3	59.4	60.1	60.8	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61
GE 5000	58.9	60.7	61.4	62.1	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62
GE 4500	59.2	61.1	62.0	62.7	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63
GE 4000	59.9	61.8	62.7	63.4	64.0	64.1	64.3	64.4	64.4	64.6	64.6	64
GE 3500	60.4	62.2	63.2	63.9	64.4	64.6	64.8	64.9	64.9	65.0	65.0	65
GE 3000	61.8	63.5	64.6	65.3	65.8	66.0	66.2	66.3	66.3	66.5	66.5	66
GE 2500	63.7	66.3	67.4	68.1	68.7	68.8	69.0	69.2	69.2	69.5	69.5	69
GE 2000	67.0	69.9	71.0	71.7	72.3	72.6	72.9	73.2	73.2	73.7	73.7	73
GE 1800	68.2	71.2	72.4	73.1	73.7	74.2	74.4	74.9	74.9	75.3	75.3	75
GE 1500	71.2	75.1	76.5	77.3	78.5	78.9	79.6	80.1	80.1	80.6	80.7	80
GE 1200	72.5	76.8	78.4	79.4	80.7	81.2	81.9	82.5	82.5	82.9	83.0	83
GE 1000	73.9	78.5	80.2	82.2	83.5	84.1	84.9	85.6	85.8	86.5	87.0	87
GE 900	73.9	78.5	80.2	82.5	84.0	84.6	85.4	86.2	86.4	87.1	87.6	87
GE 800	73.9	78.6	80.5	82.7	84.4	85.3	86.3	87.3	87.5	88.2	88.8	88
GE 700	73.9	78.8	80.9	83.4	85.4	86.5	87.8	89.0	89.2	89.9	90.5	90
GE 600	74.5	79.4	81.6	84.1	86.1	87.3	88.5	89.9	90.3	91.1	91.9	92
GE 500	74.6	79.6	82.1	84.8	86.8	88.0	89.2	91.1	91.7	93.1	94.5	94
GE 400	74.6	79.6	82.1	84.8	86.8	88.1	89.6	91.7	92.3	93.7	95.7	95
GE 300	74.6	79.6	82.1	84.8	86.8	88.1	89.8	91.9	92.6	94.0	96.4	96
GE 200	74.6	79.6	82.1	84.8	86.8	88.1	89.8	91.9	92.6	94.0	96.6	97
GE 100	74.6	79.6	82.1	84.8	86.8	88.1	89.8	91.9	92.6	94.0	96.6	97
GE 000	74.6	79.6	82.1	84.8	86.8	88.1	89.8	91.9	92.6	94.0	96.6	97

TOTAL NUMBER OF OBSERVATIONS 855

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGE WI  
TC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 12-14

VISIBILITY IN STATUTE MILES

GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/3	GE 1/4	GE 0
40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
64.0	64.1	64.3	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
64.4	64.6	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
65.8	66.0	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
68.7	68.8	69.0	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5
72.3	72.5	72.9	73.2	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7
73.7	74.2	74.4	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3
78.5	78.9	79.6	80.1	80.1	80.6	80.7	80.7	80.7	80.7	80.7	80.7
80.7	81.2	81.9	82.5	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0
83.5	84.1	84.9	85.6	85.8	86.5	87.0	87.1	87.1	87.1	87.1	87.1
84.0	84.6	85.4	86.2	86.4	87.1	87.6	87.7	87.7	87.7	87.7	87.7
84.4	85.3	86.3	87.3	87.5	88.2	88.8	88.9	88.9	88.9	88.9	88.9
85.4	86.5	87.8	89.0	89.2	89.9	90.5	90.6	90.6	90.6	90.6	90.6
86.1	87.3	88.5	89.9	90.3	91.1	91.9	92.0	92.0	92.0	92.0	92.0
85.8	88.0	89.2	91.1	91.7	93.1	94.5	94.7	94.7	94.7	94.7	94.7
86.8	88.1	89.6	91.7	92.3	93.7	95.7	95.9	95.9	96.0	96.4	96.4
86.6	88.1	89.8	91.9	92.6	94.0	96.4	96.7	96.7	97.0	97.3	97.3
86.3	88.1	89.8	91.9	92.6	94.0	96.6	97.0	97.8	98.4	99.1	99.2
86.8	88.1	89.8	91.9	92.6	94.0	96.6	97.0	98.1	98.7	99.6	99.9
85.8	88.1	89.8	91.9	92.6	94.0	96.6	97.0	98.1	98.7	99.6	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: A  
MONTH: DEC HOURS:

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	41.8	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 20000	49.0	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	49.2	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	49.2	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 14000	50.2	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	50.4	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 10000	53.3	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 9000	54.0	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 8000	56.5	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 7000	58.4	59.1	59.1	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 6000	59.9	60.6	60.8	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	61.6	62.4	62.7	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4500	62.4	63.1	63.5	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4000	63.5	64.3	64.6	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3500	63.7	64.4	64.8	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3000	65.4	66.2	66.5	66.9	67.5	67.9	67.9	68.1	68.1	68.1	68.1	68.1
GE 2500	68.4	69.8	70.5	70.9	71.5	71.9	71.9	72.1	72.2	72.2	72.2	72.2
GE 2000	71.9	73.2	74.0	74.3	75.3	75.9	75.2	76.4	76.6	76.6	76.6	76.6
GE 1800	72.8	74.5	75.3	75.7	76.6	77.2	77.6	77.8	77.9	77.9	77.9	77.9
GE 1500	76.6	78.7	79.8	80.2	82.3	83.1	83.5	83.7	83.8	83.8	83.8	83.8
GE 1200	77.5	80.0	81.4	82.1	84.6	85.4	85.9	86.5	86.7	87.1	87.1	87.1
GE 1000	78.9	81.6	83.1	83.8	86.9	87.6	88.2	89.0	89.2	89.5	89.9	89.9
GE 900	78.9	81.6	83.1	84.0	87.1	88.0	88.6	89.5	89.7	90.1	90.5	90.5
GE 800	78.9	81.6	83.3	84.3	87.8	89.0	89.5	90.5	90.7	91.3	91.6	91.6
GE 700	78.9	81.6	83.7	85.7	89.0	90.1	90.7	91.6	91.8	92.4	92.8	92.8
GE 600	78.9	81.7	83.8	85.9	89.4	90.5	91.1	92.2	92.6	93.2	93.5	93.5
GE 500	78.9	81.7	84.2	86.3	89.7	90.9	91.8	93.3	93.7	94.7	95.4	95.4
GE 400	78.9	81.7	84.2	86.3	89.7	90.9	91.8	93.5	94.1	95.2	96.4	96.4
GE 300	78.9	81.7	84.2	86.3	89.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0
GE 200	78.9	81.7	84.2	86.3	89.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0
GE 100	78.9	81.7	84.2	86.3	89.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0
GE 000	78.9	81.7	84.2	86.3	89.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0

TOTAL NUMBER OF OBSERVATIONS 526



PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANG3 W1  
TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC HOURS: 15-17

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
66.1	67.5	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
70.9	71.5	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
74.3	75.3	75.9	75.2	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
75.7	75.6	77.2	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
80.2	82.3	83.1	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
87.1	84.5	85.4	85.9	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
88.8	89.9	89.5	89.2	89.0	89.2	89.5	89.9	89.9	89.9	89.9	89.9	89.9
89.0	89.1	89.0	89.6	89.5	89.7	90.1	90.5	90.5	90.5	90.5	90.5	90.5
89.3	89.3	89.0	89.5	90.5	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6
89.7	89.0	90.1	90.7	91.6	91.8	92.4	92.8	92.8	93.0	93.0	93.0	93.0
89.9	89.4	90.5	91.1	92.2	92.6	93.2	93.5	93.5	93.7	93.7	93.7	93.7
95.3	93.7	90.9	91.8	93.3	93.7	94.7	95.4	95.4	95.6	95.6	95.6	95.6
96.3	93.7	90.9	91.8	93.5	94.1	95.2	96.4	96.4	96.6	96.6	96.6	96.6
96.3	93.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0	97.1	97.3	97.3	97.3
96.3	93.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0	97.9	98.3	98.7	99.0
96.3	93.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0	97.9	98.3	99.0	100.0
96.3	89.7	90.9	91.8	93.5	94.1	95.2	96.8	97.0	97.9	98.3	99.0	100.0

526

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AU  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	37.2	37.2	38.5	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 20000	43.5	44.3	45.0	45.5	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
GE 18000	43.6	44.4	45.1	45.7	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1
GE 16000	43.6	44.4	45.1	45.7	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1
GE 14000	44.4	45.3	45.9	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 12000	45.3	46.3	47.0	47.8	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
GE 10000	48.2	49.5	50.3	51.1	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6
GE 9000	48.4	49.7	50.5	51.3	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8
GE 8000	51.3	52.6	53.4	54.2	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6
GE 7000	52.4	53.8	54.6	55.5	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	54.0	55.4	56.3	57.3	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	55.2	56.7	57.7	58.7	59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7
GE 4500	55.5	57.4	58.4	59.4	60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5
GE 4000	56.6	58.4	59.6	60.5	61.3	61.4	61.7	61.8	61.8	61.8	61.8	61.8
GE 3500	57.1	59.2	60.1	61.1	61.8	61.9	62.2	62.3	62.3	62.4	62.4	62.4
GE 3000	58.7	60.5	61.8	62.8	63.7	63.9	64.2	64.4	64.4	64.5	64.5	64.5
GE 2500	60.7	63.0	64.4	65.4	66.3	66.5	66.8	67.0	67.0	67.1	67.1	67.1
GE 2000	64.1	66.5	67.9	69.0	70.2	70.5	71.0	71.4	71.4	71.6	71.6	71.6
GE 1800	65.1	67.6	69.3	70.4	71.6	72.0	72.4	72.8	72.8	73.1	73.1	73.1
GE 1500	68.2	71.5	73.5	74.7	76.4	76.9	77.7	78.2	78.2	78.5	78.5	78.6
GE 1200	70.0	73.7	75.5	77.2	79.2	79.7	80.5	81.2	81.2	81.6	81.7	81.7
GE 1000	71.4	75.4	77.8	79.7	82.0	82.6	83.5	84.3	84.5	85.0	85.4	85.5
GE 900	71.7	75.7	78.1	80.3	82.6	83.2	84.1	85.1	85.3	85.5	86.2	86.3
GE 800	71.8	76.0	78.5	80.7	83.4	84.2	85.3	86.4	86.5	87.1	87.5	87.6
GE 700	71.9	76.2	79.0	81.6	84.4	85.4	86.6	87.9	88.1	88.8	89.3	89.4
GE 600	72.2	76.6	79.5	82.2	85.2	86.3	87.4	89.0	89.3	90.3	90.8	91.0
GE 500	72.4	76.9	80.2	83.0	86.0	87.1	88.5	90.7	91.1	92.6	93.4	93.6
GE 400	72.4	76.9	80.2	83.1	86.1	87.3	88.6	91.3	91.7	93.3	94.6	94.9
GE 300	72.4	76.9	80.2	83.1	86.1	87.4	89.1	91.6	92.1	93.7	95.2	95.8
GE 200	72.4	76.9	80.2	83.1	86.1	87.4	89.1	91.6	92.1	93.9	95.6	96.2
GE 100	72.4	76.9	80.2	83.1	86.1	87.4	89.1	91.6	92.1	93.9	95.7	96.3
GE 000	72.4	76.9	80.2	83.1	86.1	87.4	89.1	91.6	92.1	93.9	95.7	96.3

TOTAL NUMBER OF OBSERVATIONS 2517

ILITY

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 78  
MONTH: DEC HOURS: ALL

VISIBILITY IN STATUTE MILES

GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	
39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
60.1	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
61.3	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
61.8	61.9	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
63.7	63.9	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
66.3	66.5	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
70.2	70.6	71.0	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
71.6	72.0	72.4	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
76.4	76.9	77.7	78.2	78.2	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7
79.2	79.7	80.5	81.2	81.2	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8
82.0	82.5	83.5	84.3	84.5	85.0	85.4	85.5	85.6	85.6	85.7	85.7	85.7
82.5	83.2	84.1	85.1	85.3	85.5	86.2	86.3	86.4	86.4	86.5	86.5	86.5
83.4	84.2	85.3	86.4	86.5	87.1	87.5	87.6	87.7	87.8	87.8	87.8	87.8
84.4	85.4	86.6	87.9	88.1	88.8	89.3	89.4	89.5	89.5	89.6	89.6	89.6
85.2	86.3	87.4	89.0	89.3	90.3	90.8	91.0	91.2	91.2	91.3	91.3	91.3
86.0	87.1	88.5	90.7	91.1	92.6	93.4	93.6	93.9	93.9	94.0	94.0	94.0
86.1	87.3	88.8	91.3	91.7	93.3	94.6	94.9	95.4	95.4	95.6	95.7	95.7
86.1	87.4	89.1	91.6	92.1	93.7	95.2	95.8	96.3	96.3	96.7	97.1	97.3
86.1	87.4	89.1	91.6	92.1	93.9	95.6	96.2	97.5	97.8	98.4	98.9	98.9
86.1	87.4	89.1	91.6	92.1	93.8	95.7	96.3	97.8	98.1	99.5	100.0	100.0
86.1	87.4	89.1	91.6	92.1	93.8	95.7	96.3	97.8	98.1	99.5	100.0	100.0

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGUS WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: ALL HOURS:

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	42.6	43.4	44.6	44.9	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.4
GE 20000	50.3	51.4	52.3	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.9	53.9
GE 18000	50.5	52.1	53.1	53.6	53.8	53.9	54.0	54.1	54.1	54.1	54.2	54.2
GE 16000	50.5	52.1	53.1	53.6	53.9	54.0	54.1	54.1	54.1	54.1	54.2	54.2
GE 14000	51.4	52.9	53.9	54.4	54.7	54.8	54.9	55.0	55.0	55.0	55.1	55.1
GE 12000	52.9	54.5	55.6	56.2	56.5	56.5	56.7	56.7	56.7	56.7	56.8	56.8
GE 10000	56.1	57.9	59.2	59.7	60.1	60.1	60.3	60.3	60.3	60.4	60.4	60.4
GE 9000	56.6	58.4	59.6	60.2	60.6	60.6	60.8	60.8	60.8	60.9	60.9	60.9
GE 8000	59.3	61.3	62.6	63.3	63.7	63.8	63.9	64.0	64.0	64.1	64.1	64.1
GE 7000	60.5	62.5	63.9	64.6	65.0	65.1	65.3	65.3	65.4	65.4	65.5	65.5
GE 6000	61.9	64.0	65.5	66.2	66.7	66.8	67.0	67.0	67.1	67.1	67.2	67.2
GE 5000	63.2	65.4	67.0	67.7	68.3	68.4	68.6	68.7	68.7	68.7	68.8	68.8
GE 4500	64.0	66.3	67.8	68.7	69.2	69.3	69.5	69.6	69.7	69.7	69.8	69.8
GE 4000	65.7	68.1	69.8	70.7	71.2	71.4	71.5	71.7	71.8	71.8	71.9	71.9
GE 3500	66.9	69.5	71.2	72.1	72.7	72.9	73.1	73.2	73.3	73.3	73.4	73.4
GE 3000	69.7	72.4	74.3	75.3	76.0	76.3	76.6	76.7	76.7	76.8	76.9	76.9
GE 2500	72.3	75.2	77.2	78.3	79.1	79.3	79.7	79.8	79.8	79.9	80.0	80.0
GE 2000	75.1	78.3	80.5	81.3	82.7	83.0	83.4	83.6	83.6	83.8	83.9	83.9
GE 1800	75.7	79.0	81.2	82.5	83.5	83.8	84.2	84.4	84.4	84.6	84.7	84.7
GE 1500	77.7	81.3	83.9	85.3	86.5	86.9	87.4	87.6	87.7	87.9	88.0	88.0
GE 1200	78.3	82.7	85.4	87.1	88.4	88.9	89.4	89.8	89.8	90.1	90.2	90.2
GE 1000	79.5	83.5	86.5	88.4	90.0	90.5	91.3	91.7	91.7	92.1	92.3	92.3
GE 900	79.7	83.8	86.9	88.3	90.5	91.1	91.9	92.4	92.4	92.8	93.0	93.0
GE 800	80.0	84.2	87.5	89.5	91.4	92.0	92.9	93.4	93.5	93.9	94.2	94.2
GE 700	80.1	84.5	87.8	90.0	92.0	92.7	93.6	94.3	94.4	94.9	95.2	95.2
GE 600	80.3	84.6	88.0	90.4	92.5	93.3	94.4	95.1	95.2	95.8	96.1	96.1
GE 500	80.3	84.7	88.3	90.7	93.0	93.9	95.0	95.9	96.1	96.8	97.2	97.2
GE 400	80.4	84.8	88.3	90.8	93.1	94.1	95.4	96.5	96.7	97.5	98.1	98.1
GE 300	80.4	84.8	88.4	90.9	93.2	94.2	95.6	96.7	96.9	97.6	98.6	98.6
GE 200	80.4	84.8	88.4	90.9	93.2	94.2	95.6	96.7	97.0	97.9	98.8	98.8
GE 100	80.4	84.8	88.4	90.9	93.2	94.2	95.6	96.7	97.0	97.9	98.8	98.8
GE 000	80.4	84.8	88.4	90.9	93.2	94.2	95.6	96.7	97.0	97.9	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 38113

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGE WI  
EST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: ALL HOURS: ALL

VISIBILITY IN STATUTE MILES

	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
44.9	44.9	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5
53.3	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	54.0	54.0
53.6	53.6	53.8	53.9	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2
53.9	53.9	54.0	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.3	54.3
54.4	54.4	54.7	54.8	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1
56.2	56.2	56.5	56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.9	56.9
60.1	60.1	60.1	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5
60.2	60.2	60.6	60.6	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0
63.3	63.3	63.7	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2
64.6	64.6	65.0	65.1	65.3	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.6
66.2	66.2	66.7	66.8	67.0	67.0	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
67.7	67.7	68.3	68.4	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9
68.7	68.7	69.2	69.3	69.5	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.9	69.9
70.7	70.7	71.2	71.4	71.5	71.7	71.8	71.8	71.9	71.9	71.9	71.9	72.0	72.0
72.1	72.1	72.7	72.9	73.1	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5
75.3	75.3	76.0	76.3	76.6	76.7	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.0
78.3	78.3	79.1	79.3	79.7	79.8	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.1
81.3	81.3	82.7	83.0	83.4	83.6	83.6	83.8	83.9	83.9	83.9	83.9	84.0	84.0
82.5	82.5	83.5	83.8	84.2	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.8	84.8
85.3	85.3	86.5	86.9	87.4	87.6	87.7	87.9	88.0	88.0	88.1	88.1	88.1	88.1
87.1	87.1	88.4	88.9	89.4	89.8	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.4
88.4	88.4	90.0	90.5	91.3	91.7	91.7	92.1	92.3	92.3	92.4	92.4	92.5	92.5
90.5	90.5	91.1	91.9	92.4	92.4	92.4	92.8	93.0	93.0	93.2	93.2	93.2	93.2
91.4	91.4	92.0	92.9	93.4	93.5	93.5	93.9	94.2	94.2	94.3	94.3	94.4	94.4
92.0	92.0	92.7	93.6	94.3	94.4	94.4	94.9	95.2	95.2	95.4	95.4	95.5	95.5
90.4	90.4	92.5	93.3	94.4	95.1	95.2	95.8	96.1	96.2	96.3	96.4	96.4	96.5
92.7	92.7	93.0	93.9	95.0	95.9	96.1	96.8	97.2	97.3	97.5	97.5	97.5	97.7
93.8	93.8	93.1	94.1	95.4	96.5	96.7	97.5	98.1	98.1	98.4	98.4	98.5	98.6
90.8	90.8	93.2	94.2	95.6	96.7	96.9	97.6	98.6	98.7	99.1	99.1	99.3	99.3
90.8	90.8	93.2	94.2	95.6	96.7	97.0	97.9	98.8	98.9	99.3	99.4	99.6	99.7
90.8	90.8	93.2	94.2	95.6	96.7	97.0	97.9	98.8	98.9	99.4	99.5	99.8	100.0
90.8	90.8	93.2	94.2	95.6	96.7	97.0	97.9	98.8	98.9	99.4	99.5	99.8	100.0

UNNS: 39113

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JAN HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02								
03-05								
06-08	15.6	20.3	21.8	37.6	4.3	63.6	7.7	41
09-11	16.2	20.1	18.8	40.7	4.2	63.7	6.1	101
12-14	13.6	23.0	19.9	40.5	3.2	63.4	4.6	101
15-17	14.1	20.5	19.6	43.3	2.5	65.4	2.9	72
18-20								
21-23								
ALL HOURS	14.0	21.0	19.0	40.0	3.0	63.0	5.0	315

MONTH: FEB HOURS: ALL

00-02								
03-05								
06-08	13.4	22.9	19.2	40.7	3.7	63.7	6.6	45
09-11	11.4	20.4	23.1	40.9	4.3	68.2	5.5	97
12-14	11.9	21.6	20.6	43.1	2.8	66.5	3.2	97
15-17	13.1	21.2	23.4	40.5	1.8	65.7	4.3	73
18-20								
21-23								
ALL HOURS	12.2	21.3	21.3	41.5	3.2	66.4	4.8	313

STAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

VOLK FLD ANGB WI

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: JAN HOURS: ALL

AIRWAY CLASSES				
OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				0
				0
37.6	4.3	63.6	7.7	418
40.7	4.2	63.7	6.1	1010
40.5	3.2	63.4	4.6	1011
43.3	2.5	65.4	2.9	728
				0
				0
40.0	3.0	63.0	5.0	3167

MONTH: FEB HOURS: ALL

				0
				0
40.7	3.7	63.7	6.6	454
40.9	4.3	68.2	5.5	976
43.1	2.8	66.5	3.2	974
40.5	1.8	65.7	4.8	731
				0
				0
41.5	3.2	66.4	4.8	3135

OPERATING LOCATION \*AM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: MAR HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02								
03-05								
06-08	13.6	20.1	19.3	44.0	3.0	66.3	7.5	39
09-11	11.6	22.1	20.5	42.2	3.6	66.3	4.2	102
12-14	10.1	25.0	22.1	40.2	2.5	64.9	2.4	103
15-17	9.0	26.5	21.1	41.3	2.2	64.6	3.6	66
18-20								
21-23								
ALL HOURS	10.0	23.0	21.0	41.0	2.0	65.0	3.0	312

MONTH: APR HOURS: ALL

00-02								
03-05								
06-08	15.9	22.6	15.9	42.0	2.5	60.5	4.2	43
09-11	12.3	23.7	21.6	41.8	.6	64.0	2.7	97
12-14	9.9	23.7	23.0	43.3	.1	66.4	1.3	99
15-17	3.0	24.9	27.5	39.4	.3	67.2	.5	53
18-20								
21-23								
ALL HOURS	11.3	23.8	22.4	41.8	.7	64.9	2.0	200



PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 89  
MONTH: MAR HOURS: ALL

AIRWAY CLASSES						
ALTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL ORS
						0
						0
20.1	19.3	44.0	3.0	66.3	7.5	398
22.1	20.5	42.2	3.6	66.3	4.2	1024
25.0	22.1	40.2	2.5	64.9	2.4	1034
26.5	21.1	41.3	2.2	64.6	3.6	669
						0
						0
24.0	21.0	41.0	2.0	65.0	3.0	3125

MONTH: APR HOURS: ALL

						0
						0
22.6	15.9	42.0	2.5	60.5	4.2	433
23.7	21.6	41.8	.6	64.0	2.7	977
23.7	23.0	43.3	.1	66.4	1.3	994
24.9	27.5	39.4	.3	67.2	.5	589
						0
						0
23.8	22.4	41.8	.7	64.7	2.0	2593

OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: MAY HOURS:

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02							
03-05							
06-08	12.9	26.5	27.8	31.7	.9	60.6	3.7
09-11	9.4	27.3	29.6	33.3	.3	63.3	1.6
12-14	5.9	31.3	27.4	33.3	.2	62.9	1.1
15-17	6.5	33.3	30.5	29.8		60.3	2.4
18-20							
21-23							
ALL HOURS	9.0	29.0	29.0	32.0	.0	62.0	1.0

MONTH: JUN HOURS:

00-02							
03-05							
06-08	11.9	33.4	22.4	32.1	.3	54.3	3.7
09-11	7.8	34.8	26.6	30.8		57.5	1.3
12-14	5.3	33.6	33.4	27.7	.1	61.2	.6
15-17	5.5	34.7	34.3	25.5	.1	59.9	.4
18-20							
21-23							
ALL HOURS	7.4	34.1	29.4	29.1	.1	58.5	1.4

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
ST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY HOURS: ALL

.....						
SEA	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
.....						
						0
						0
	27.8	31.9	.9	60.6	3.7	668
	29.6	33.3	.3	63.3	1.6	1029
	29.4	33.3	.2	62.9	1.1	1024
	30.5	29.8		60.3	2.4	463
						0
						0
	29.0	32.0	.0	62.0	1.0	3184
.....						

MONTH: JUN HOURS: ALL

.....						
						0
						0
	22.4	32.1	.3	54.3	3.7	776
	26.6	30.8		57.5	1.3	1137
	33.4	27.7	.1	61.2	.6	1198
	34.3	25.5	.1	59.9	.4	770
						0
						0
	29.4	29.1	.1	58.5	1.4	3931
.....						

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGH WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUL HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02								0
03-05								0
06-08	16.5	34.9	22.1	26.0	.5	48.6	3.5	739
09-11	9.2	35.5	31.1	23.8	.3	55.2	1.6	1137
12-14	2.5	38.9	37.3	21.1	.2	58.6	1.0	1146
15-17	3.4	46.2	31.4	19.1		50.4	2.2	692
18-20								0
21-23								0
ALL HOURS	7.0	34.0	31.0	22.0	.0	54.0	1.0	3704

MONTH: AUG HOURS: ALL

00-02								0
03-05								0
06-08	15.4	24.5	23.7	33.8	1.7	59.1	6.3	774
09-11	9.1	32.0	28.4	29.9	.5	58.9	1.7	1171
12-14	4.4	37.6	31.3	26.4	.2	57.9	.9	1195
15-17	4.9	38.3	29.6	27.1	.1	56.8	1.0	670
18-20								0
21-23								0
ALL HOURS	8.4	33.4	29.6	29.1	.6	58.3	2.3	3450

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: JUL HOURS: ALL

AIRWAY CLASSES			TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
SCATTERED	BROKEN	OVERCAST				
						0
						0
34.9	22.1	26.0	.5	48.6	3.5	739
35.5	31.1	23.8	.3	55.2	1.6	1137
34.9	37.3	21.1	.2	58.6	1.0	1146
45.2	31.4	19.1		50.4	2.2	692
						0
						0
34.0	31.0	22.0	.0	54.0	1.0	3704

MONTH: AUG HOURS: ALL

						0
						0
24.5	23.7	33.8	1.7	59.1	6.3	773
32.0	28.4	29.9	.5	58.9	1.7	1197
37.6	31.3	26.4	.2	57.9	.9	1193
38.3	29.6	27.1	.1	56.9	1.0	690
						0
						0
33.4	28.6	29.1	.5	58.3	2.3	3853

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGH WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: SEP HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02								0
03-05								0
06-08	17.8	25.7	19.8	34.7	2.0	56.5	4.7	642
09-11	12.4	29.9	23.1	34.0	.6	57.7	1.3	986
12-14	8.5	33.5	23.1	29.5	.3	57.9	.3	998
15-17	8.2	38.2	27.4	25.9	.2	53.6		463
18-20								0
21-23								0
ALL HOURS	11.0	31.0	24.0	31.0	.0	56.0	1.0	3091

MONTH: OCT HOURS: ALL

00-02								0
03-05								0
06-08	15.1	23.6	20.9	33.5	1.8	61.3	5.4	597
09-11	11.8	24.1	21.0	42.8	.3	64.1	3.0	957
12-14	10.3	24.1	25.5	39.8	.3	65.6	1.1	980
15-17	9.1	28.9	21.2	40.5	.2	62.0	1.4	439
18-20								0
21-23								0
ALL HOURS	11.6	24.7	22.5	40.6	.6	63.7	2.8	2933

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGR WI  
TIME ZONE: + 6

PERIOD OF RECORD: AUG 73 - JUL 80  
MONTH: SEP HOURS: ALL

AIRWAY CLASSES					
BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
					0
					0
19.8	34.7	2.0	56.5	4.7	642
25.1	34.0	.6	57.7	1.3	986
24.1	29.6	.3	57.9	.3	998
27.4	25.9	.2	53.6		463
					0
					0
24.0	31.0	.0	56.0	1.0	3091

MONTH: OCT HOURS: ALL

					0
					0
20.9	33.5	1.9	61.3	5.4	597
21.0	42.8	.3	64.1	3.0	957
25.5	39.8	.3	65.6	1.1	950
21.2	40.5	.2	62.0	1.4	439
					0
					0
	40.6	.6	63.7	2.8	2933

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGE WI  
LST TO UTC: + 6

PERIOD OF RECORD: 1  
MONTH: NOV HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	T
00-02								
03-05								
06-08	12.8	17.2	20.9	45.4	3.7	70.0	4.4	
09-11	11.2	18.0	20.3	43.9	1.6	70.3	4.7	
12-14	9.0	23.0	18.5	43.5	1.0	68.0	3.9	
15-17	11.0	23.0	19.3	45.2	1.5	66.0	1.3	
18-20								
21-23								
ALL HOURS	10.0	20.0	19.0	47.0	1.0	58.0	3.0	

MONTH: DEC HOURS: A

00-02								
03-05								
06-08	11.6	17.7	13.7	43.0	6.0	68.7	5.7	
09-11	10.2	21.6	17.6	45.0	4.7	68.2	7.0	
12-14	8.4	26.1	20.4	41.9	3.3	65.5	4.3	
15-17	10.6	23.8	20.0	43.7	2.1	65.3	4.4	
18-20								
21-23								
ALL HOURS	9.8	23.4	18.6	44.4	3.3	66.5	5.5	



PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 83  
MONTH: NOV HOURS: ALL

AIRWAY CLASSES						
INTERD	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
						0
						0
17.2	20.9	45.4	3.7	70.0	4.4	273
16.0	20.3	48.9	1.6	70.3	4.7	302
13.0	18.5	48.5	1.0	68.0	3.9	312
13.0	19.3	45.2	1.5	66.0	1.3	544
						0
						0
12.0	19.0	47.0	1.0	58.0	3.0	2431

MONTH: DEC HOURS: ALL

						0
						0
13.7	13.7	48.9	6.0	65.7	6.7	234
16.0	17.6	45.0	4.7	69.2	7.0	242
16.1	20.4	41.9	3.3	65.5	4.3	455
19.3	20.0	43.7	2.1	65.3	4.4	526
						0
						0
11.4	16.6	44.4	3.3	66.5	5.5	2517

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: ALL HOURS:

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	T
				OVERCAST					
00-02									
03-05									
06-08	14.7	25.7	21.3	36.1	2.1	59.5	5.2		
09-11	11.0	26.3	23.8	37.2	1.7	62.7	3.2		1
12-14	3.1	28.9	26.3	35.5	1.1	63.0	2.0		1
15-17	8.6	29.9	25.6	34.9	1.0	61.5	2.1		
18-20									
21-23									
ALL HOURS	10.2	27.7	24.6	36.0	1.4	62.0	3.0		3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANG3 WI  
ST TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: ALL HOURS: ALL

AIRWAY CLASSES						
SEA	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
						0
						0
7	21.3	36.1	2.1	59.5	5.2	6455
8	23.8	37.2	1.7	62.7	3.2	12146
9	26.3	35.5	1.1	63.0	2.0	12219
0	25.6	34.9	1.0	61.5	2.1	7294
						0
						0
7	24.6	36.0	1.4	62.0	3.0	35114

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## PART E

### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

#### TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

#### MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. THE YEARLY AMOUNT ONLY APPEARS WHEN ALL MONTHS FOR THAT YEAR ALSO APPEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE.

#### MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE.

#### DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURE  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: +06

PERIOD OF RECORD  
MONTH: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
GE 100						.1	.4	.6			
GE 95				.2		.7	3.9	1.3	.2		
GE 90				.2	1.7	7.1	14.9	3.2	1.2	.2	
GE 85				1.2	7.3	19.7	35.6	24.6	5.4	.2	
GE 80			.2	2.7	16.0	41.2	54.4	47.5	16.4	2.1	
GE 75			1.0	6.7	30.5	54.1	35.5	71.2	30.1	6.9	
GE 70			2.6	12.2	47.1	34.5	95.7	89.5	48.8	14.1	
GE 65			3.5	23.0	65.1	94.0	99.0	97.0	69.1	25.4	
GE 60		.3	8.4	39.7	78.1	98.0	99.9	99.4	36.2	42.1	
GE 55		.9	13.7	55.8	89.4	99.6	100.0	100.0	93.9	60.7	1
GE 50	.3	2.4	19.4	59.3	95.7	100.0			98.0	75.5	2
GE 45	3.1	6.9	31.4	81.6	93.7				99.3	90.8	4
GE 40	7.4	16.4	46.1	71.2	99.3				100.0	93.0	6
GE 35	16.4	33.4	58.1	92.0	100.0					99.3	7
GE 30	22.3	39.4	76.3	98.7						99.3	8
GE 25	30.6	49.5	84.5	99.5						99.3	9
GE 20	44.4	61.5	93.4	100.0						100.0	10
GE 15	53.3	73.0	95.3								
GE 10	70.4	85.4	94.5								
GE 5	80.0	92.1									
GE 0	83.2	97.4									
GE -5	94.8	99.5									
GE -10	97.7	99.6									
GE -15	98.9	100.0									
GE -20	100.0										

MEAN	21.5	23.1	40.9	56.0	64.5	77.3	81.9	79.0	59.3	57.3	4
SD	13.29	11.36	12.14	11.76	10.71	8.15	7.15	7.67	9.43	10.32	11
TOTAL OBS	611	572	521	599	630	702	697	708	605	610	

IN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NAME: VOLK FLD ANGE MI  
TIME ZONE: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
			.1	.4	.6					.1
	.2		.7	3.9	1.3	.2				.6
	.2	1.7	7.1	14.9	3.2	1.2	.2			3.1
	1.2	7.3	19.7	35.6	24.6	5.4	.2			9.7
.2	2.7	10.0	41.2	54.4	47.5	16.4	2.1			17.5
1.0	6.7	30.5	54.1	35.5	71.2	30.1	6.9	.2		27.0
2.5	12.2	47.1	34.5	95.7	89.5	48.8	14.1	.5		35.7
3.5	23.0	55.1	94.0	99.0	97.0	69.1	25.4	3.3		42.9
4.6	39.7	78.1	94.0	99.9	99.4	36.2	42.1	9.1	.4	49.6
13.7	55.8	89.4	99.6	100.0	100.0	93.9	60.7	17.6	.7	55.3
19.3	59.3	95.7	100.0			98.0	75.5	25.4	1.5	60.0
31.4	31.6	93.7				99.3	90.2	41.1	4.1	55.3
41.1	31.2	99.3				100.0	93.0	56.5	12.6	71.1
55.1	98.0	100.0					99.3	75.0	24.3	77.7
70.3	98.7						99.3	82.3	34.3	90.7
84.5	99.5						99.8	89.9	46.2	84.3
93.4	100.0						100.0	94.7	55.3	58.9
95.3								93.5	79.0	93.0
98.5								99.1	37.3	95.5
100.0								100.0	94.0	97.3
									96.5	98.6
									97.4	99.4
									99.5	99.9
									99.9	99.9
									99.9	100.0
									100.0	100.0
40.0	56.0	64.5	77.3	81.9	79.0	59.3	57.8	42.6	27.6	55.5
12.14	11.76	10.71	8.15	7.15	7.67	9.43	10.32	11.50	11.12	23.32
591	599	630	702	697	708	605	610	547	565	7479



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURE  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANCH WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOUR

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
GE 95								.3			
GE 90								.3			
GE 85						.6	.6	.6			
GE 80					.2	.9	3.2	1.6			
GE 75			.2	.2	.6	4.1	10.8	5.9	.5		
GE 70			.2	1.2	3.5	13.5	29.1	15.1	3.9	.3	
GE 65			.3	1.8	10.3	33.9	56.1	40.7	12.6	1.3	
GE 60			.3	4.0	25.1	55.7	75.9	63.4	25.2	5.9	
GE 55			1.1	3.2	37.3	77.5	90.2	90.9	45.7	15.4	1
GE 50			3.1	16.9	57.1	90.7	97.4	92.5	64.6	25.6	4
GE 45	.2	.3	5.2	32.4	74.4	96.6	99.3	97.9	79.1	42.0	0
GE 40	1.0	.9	11.6	52.4	85.4	100.0	100.0	99.4	92.6	51.0	19
GE 35	2.3	4.9	24.5	72.0	96.7			100.0	97.5	74.0	35
GE 30	3.4	7.9	34.0	79.5	98.3				98.7	84.4	43
GE 25	8.5	14.7	44.3	88.3	99.2				99.3	91.5	55
GE 20	17.7	26.4	62.2	96.2	100.0				100.0	98.0	74
GE 15	27.7	33.1	74.1	99.0						99.7	87
GE 10	35.7	43.1	82.5	100.0						100.0	93
GE 5	47.3	61.0	90.3								97
GE 0	53.4	71.9	94.0								98
GE -5	70.9	91.1	97.7								99
GE -10	79.1	99.0	99.4								99
GE -15	88.1	94.9	100.0								100
GE -20	93.9	93.4									
GE -25	98.0	99.5									
GE -30	100.0	99.7									
GE -35		100.0									

MEAN	5.5	13.5	26.5	40.5	51.5	60.5	65.1	61.9	53.2	43.0	30.0
SD	15.13	14.13	12.44	9.93	10.02	8.31	7.80	4.42	3.58	10.15	10.0
TOTAL OBS	611	572	621	599	630	702	697	708	608	610	54

IN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

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LL

STATION NAME: VOLK FLD ANCH WI

PERIOD OF RECORD: 6406-8904

TIME UTC: +06

MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
					.3					.0
					.3					.0
			.6	.6	.6					.2
		.2	.9	3.2	1.6					.5
.2	.2	.6	4.1	10.8	5.9	.5				2.1
.2	1.2	3.5	13.8	29.1	15.1	3.9	.3			5.2
.3	1.8	10.3	33.9	56.1	40.7	12.8	1.3			14.6
.3	4.0	25.1	55.7	75.9	63.4	25.2	5.9	.5		23.4
1.1	4.2	37.8	77.6	90.2	80.9	45.7	15.4	1.8	.2	32.4
2.1	16.9	57.1	90.7	97.4	92.5	64.6	25.6	4.0	.5	40.6
5.2	32.4	74.4	96.6	99.9	97.9	79.1	42.0	7.5	.7	47.8
11.6	52.4	85.4	100.0	100.0	99.4	92.6	61.6	19.5	1.9	55.1
14.5	72.0	95.7			100.0	77.5	78.0	35.9	5.6	62.2
16.0	78.5	98.3				92.7	84.8	43.5	10.3	65.4
16.2	88.3	99.2				99.3	91.6	55.8	19.6	70.4
22.2	96.2	100.0				100.0	98.0	74.4	35.4	77.3
24.1	99.0						99.7	87.6	40.4	82.3
25.5	100.0						100.0	93.1	62.3	86.0
27.3								97.3	71.2	89.5
28.0								98.9	79.5	92.4
27.7								99.5	87.3	95.0
29.4								99.8	92.7	96.8
29.0								100.0	97.2	98.4
									99.1	99.3
									99.8	99.3
									100.0	100.0
										100.0

26.5	48.5	61.5	60.5	65.1	61.9	53.2	43.0	30.9	17.1	40.5
12.44	9.93	10.02	8.31	7.80	8.42	9.58	10.15	10.73	13.58	22.05
621	599	630	702	697	708	608	610	547	565	7470

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: +06

PERIOD OF RECOR  
MONTH: ALL MO

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
GF 100								.1		
GE 95								.4		
GE 90						.1	.6	.6		
GE 85					.5	1.9	6.0	3.1		
GE 80				.5	2.4	7.2	19.5	10.3	1.8	
GF 75			.3	1.2	7.0	24.4	44.2	29.0	7.7	.3
GF 70			.3	3.3	18.7	45.5	74.5	58.8	18.3	2.6
GE 65			.6	6.3	34.3	72.3	90.5	79.5	36.2	9.0
GE 60			2.6	13.2	50.6	90.3	95.4	94.6	56.3	18.9
GE 55			4.7	25.7	70.6	93.0	99.9	99.3	78.5	33.0
GE 50	.2	.5	9.2	43.1	85.9	97.7	100.0	99.9	92.8	52.5
GE 45	.5	1.2	15.1	64.3	95.9	100.0		100.0	98.2	73.1
GE 40	2.0	3.7	29.0	81.0	99.0				99.5	89.7
GF 35	7.4	14.0	46.1	93.7	100.0				100.0	97.5
GE 33	10.5	19.9	54.1	96.3						98.7
GE 30	17.7	29.7	66.3	98.2						99.5
GF 25	27.3	43.0	80.7	99.5						100.0
GE 20	40.4	55.9	86.9	100.0						
GF 15	52.5	63.7	95.5							
GE 10	65.0	79.9	95.1							
GE 5	76.4	89.2	99.2							
GE 0	83.5	95.5	100.0							
GE -5	92.0	98.4								
GF -10	95.5	99.3								
GF -15	99.2	100.0								
GF -20	100.0									

MEAN	15.2	21.0	33.4	45.5	50.3	57.2	73.7	70.7	51.5	50.7
SD	13.33	12.46	11.56	10.06	9.64	7.52	6.73	7.15	8.53	9.27
TOTAL OBS	511	572	621	599	530	792	697	709	608	610

NAME: VOLK FLJ ANGR WI  
ITC: +06

[illegible]

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AS-4210 623

SURFACE OBSERVATION CLIMATIC SUMMARIES (DOCS) FOR VOLK 5 6

FIELD ANGB WISCONSIN AIR FORCE ENVIRONMENTAL

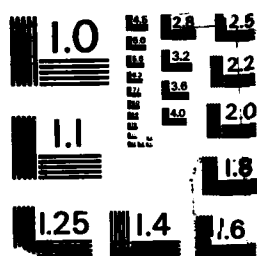
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL MAY 89

UNCLASSIFIED

USAFETAC 88-89 203

F 1 4 2

NL



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGERS WI  
LST TO UTC: +06

PERIOD OF RE  
MONTH: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
64						95	102	97	86	76
65	43	50	43	79	87	97	96	94	82	80
66	40	49	72	70	87	94	100	91	88	80
67	47	51	78	72	91	91	90	86	82	81
68	49	47	72	78	85	92	89	95	85	81
69	39	40	61	71	88	93	92	91	84	83
70	41	44	50	88	90	94	94	93	88	79
71	36	47	68	77	78	93	86	89	88*	81*
72	46*	40*	52*	73*	87*	89	92	93	84	73
73	54*	44*	63*	71*	76*	88	73	92	86	80*
74	48*	45*	64*	81*	97*	92*	97	93	82*	75*
75	40*	42*	50*	69	94*	89	93	94*	80*	78*
76	39*	51*	72*	68*	85*	91	98	93	95*	91*
77	28*	54*	68*	85*	90*	92*	99	90*	92*	63*
78	36*	32*	78*	71*	89*	90	86*	91	94*	76*
79	28*	40*	58*	69*	93*	84	97*	97*	85*	77*
80	40*	37*	52*	96*	93*	93	95	91	87*	76*
81	53*	61*	75*	79*	81*	90	92	86*	85*	70*
82	35*	46	62*	73*	84*	85	90	93	85*	78*
83	37*	43*	53*	76*	74*	90*	96*	93	89*	77*
84	42*	52*	48*	80*	78	96*	90*	96	86*	70
85	37*	51*	67*	85*	83*	93	93*	92*	92*	71*
86	41	35	82*	87*	89*	90	94*	86*	85*	73*
87	47*	50	71	81*	81*	95	92*	88*	92*	73*
88	45	46	58*	75*	88*	100	100*	104*		

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGR WI  
STC: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
			95	102	97	86	76	76	40	102*
79	87	97	96	94	82	80	67	50		97
70	87	94	100	91	88	80	60	49		100
72	91	91	90	86	82	81	61	53		91
78	85	92	89	95	85	81	69	54		95
71	88	93	92	91	84	83	63	43		92
88	90	94	94	93	88	79	55	60		94
77	78	93	86	89	88*	81*	66*	42		93*
73*	87*	89	92	93	84	73	55*	44*		93*
71*	76*	88	93	92	86	80*	60*	41*		93*
81*	97*	92*	97	93	82*	75*	68*	45*		97*
69	94*	89	93	94*	80*	78*	67*	58*		94*
68*	85*	91	98	93	95*	91*	58*	45*		98*
85*	90*	92*	99	90*	92*	63*	60*	45*		99*
71*	89*	90	86*	91	94*	76*	73*	40*		94*
69*	83*	84	87*	87*	85*	77*	48*	48*		87*
96*	93*	93	95	91	87*	76*	63*	45*		96*
79*	81*	90	92	86*	85*	70*	64*	34*		92*
73*	84*	85	90	93	85*	78*	63*	63*		93*
76*	74*	90*	96*	93	88*	77*	63*	32*		96*
80*	78	86*	90*	96	86*	70	56*	59*		96*
85*	83*	93	93*	92*	92*	71*	50*	32*		93*
87*	89*	90	94*	86*	85*	73*	58*	34*		94*
81*	81*	95	92*	88*	92*	73*	67*	47*		95*
75*	88*	100	100*	104*						104*



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOUR

.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT  
.....

.....  
GREATEST 54 62 82 96 94 100 102 104 95 91  
.....  
TOTAL OBS 611 572 621 599 630 702 697 708 609 610 5  
.....

THE GREATEST VALUE OF 104 OCCURRED ON 08/16/88

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR T

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

VOLK FLD ANGB WI  
06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

APR MAY JUN JUL AUG SEP OCT NOV DEC ANNUAL

96 94 100 102 104 95 91 76 63 104  
599 630 702 697 708 608 610 547 565 7470

104 OCCURRED ON 08/16/88

ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

E - 3 - 18

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: +06

PERIOD OF RECORD: 61  
MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
64						42	50	39	30	20	-3
65	-19	-17	-9	24	37	45	48	38	34	26	14
66	-25	-12	10	27	25	41	47	49	29	22	9
67	-24	-17	-7	25	27	45	46	36	28	26	7
68	-20	-7	14	21	33	44	47	39	43	26	18
69	-16	-5	-3	27	35	41	49	46	40	18	10
70	-22	-18	5	23	35	44	45	43	35	27	6
71	-23	-27	-2	18	30	44	44	42	40*	31*	13
72	-17*	-11*	-6*	20*	42*	44	52	50	37	20	19
73	-13*	-2*	27*	28*	39*	49	54	49	36	34*	19
74	-17*	-14*	0*	28*	35*	52*	54	49	25*	23*	27
75	-6*	-6*	-7*	18	47*	52	52	47*	33*	29*	-1
76	-18*	-1*	10*	35*	34*	50	52	48	31*	15*	-6
77	-23*	-3*	14*	24*	41*	40*	50	50*	46*	35*	16
78	-13*	-8*	-3*	26*	39*	40	51*	47	33*	29*	3
79	-25*	-16*	4*	15*	32*	50	54*	51*	37*	24*	21
80	-6*	-9*	2*	32*	38*	40	55	57	34*	28*	15
81	-3*	-10*	20*	34*	41*	56	54	53*	42*	24*	13
82	-16*	-13	8*	18*	39*	45	58	41	37*	20*	12
83	-8*	7*	16*	23*	40*	50*	57*	54	37*	29*	16
84	-21*	0*	3*	35*	38	58*	53*	41	29*	24	20
85	-24*	-27*	4*	31*	44*	43	43*	52*	37*	28*	5
86	-17	-8	-2*	30*	41*	48	58*	42*	38*	29*	7
87	-11*	9	12	21*	37*	41	59*	49*	35*	25*	20
88	-21	-11	12*	30*	44*	44	57*	58*			

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

WOLK FLD ANGB WI  
+06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
24	37	42	50	39	30	20	-3	-11	-11*
		45	48	38	34	26	14	5	-19
27	25	41	47	49	29	22	9	-9	-25
25	27	45	46	36	28	26	7	-20	-24
21	33	44	47	39	43	26	18	-16	-20
27	35	41	49	45	40	18	10	-9	-16
23	35	44	45	43	35	27	6	-13	-22
18	30	44	44	42	40*	31*	13*	-2	-27*
20*	42*	44	52	50	37	20	19*	-15*	-17*
23*	39*	49	54	49	36	34*	19*	-8*	-13*
28*	35*	52*	54	49	25*	23*	27*	17*	-17*
18	47*	52	52	47*	33*	29*	-1*	-5*	-7*
35*	34*	50	52	48	31*	15*	-6*	-16*	-18*
24*	41*	40*	50	50*	46*	35*	16*	-8*	-23*
26*	38*	40	51*	47	33*	29*	3*	-5*	-13*
15*	32*	50	54*	51*	37*	24*	21*	10*	-25*
32*	38*	40	55	57	34*	28*	15*	-4*	-9*
34*	41*	56	54	53*	42*	24*	18*	-7*	-10*
18*	39*	45	58	41	37*	20*	12*	4*	-16*
23*	40*	50*	57*	54	37*	29*	16*	-22*	-22*
35*	38	58*	53*	41	29*	24	20*	-1*	-21*
31*	44*	43	48*	52*	37*	28*	5*	-17*	-27*
30*	41*	48	58*	42*	38*	29*	7*	-9*	-17*
21*	37*	41	59*	49*	35*	25*	20*	14*	-11*
30*	44*	44	57*	58*					-21*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436 STATION NAME: VOLK FLD ANGB WI PERIOD OF RECORD:  
LST TO UTC: +06 MONTH: ALL HOURS  
YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT N

LEAST	-25	-27	-9	15	25	40	44	36	25	15	-
TOTAL OBS	611	572	621	599	630	702	697	708	608	610	54

THE LEAST VALUE OF -27 OCCURRED ON 02/02/71

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR TH

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANGB WI  
C: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-----	-----	-----	-----	-----	-----	-----	-----	-----	--------

15	25	40	44	36	25	15	-6	-22	-27
599	630	702	697	708	608	610	547	565	7470

-27 OCCURRED ON 02/02/71

END ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: +06

PERIOD OF RECORD:  
MONTH: ALL HOUR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
64						72	75	69	61	49
65	15	18	26	44	62	69	71	68	59	51
66	8	21	36	43	54	69	74	69	60	50
67	20	13	33	47	52	68	70	65	59	48
68	18	18	40	49	55	67	71	70	62	52
69	13	22	26	49	59	60	71	73	62	48
70	10	20	30	49	60	69	74	70	62	52
71	9	18	28	45	55	71	67	66	65*	57*
72	15*	18*	29*	46*	65*	69	71	72	63	48
73	23*	24*	43*	47*	56*	69	73	72	62	58*
74	20*	20*	32*	50*	57*	63*	75	70	60*	53*
75	24*	22*	29*	43	67*	69	75	72*	59*	54*
76	13*	29*	38*	52*	61*	71	75	73	62*	46*
77	4*	27*	42*	56*	72*	69*	78	68*	62*	51*
78	13*	14*	30*	49*	52*	58	72*	72	65*	50*
79	7*	17*	33*	45*	56*	69	72*	70*	64*	49*
80	18*	20*	31*	52*	66*	69	77	73	52*	49*
81	20*	27*	40*	54*	62*	72	73	72*	62*	49*
82	10*	18	32*	47*	62*	65	74	69	62*	51*
83	22*	28*	34*	45*	55*	70*	77*	76	61*	51*
84	17*	33*	28*	51*	59	73*	72*	72	59*	53
85	14*	20*	41*	56*	67*	69	75*	71*	62*	50*
86	17	18	39*	52*	62*	70	75*	67*	62*	51*
87	22*	29	38	50*	62*	73	79*	70*	63*	47*
88	14	17	37*	50*	67*	76	81*	81*		

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

NAME: VOLK FLD ANG8 WI  
C: +06

PERIOD OF RECORD: 6406-8808  
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
44	62	72	75	69	61	49	39	19	55*
44	62	69	71	68	58	51	36	31	46
43	54	69	74	69	60	50	35	22	45
47	52	68	70	65	59	48	33	24	45
49	55	67	71	70	62	52	36	20	46
49	59	60	71	73	62	48	35	21	45
49	60	69	74	70	62	52	35	20	46
45	55	71	67	66	65*	57*	39*	26	46*
46*	65*	69	71	72	63	48	36*	19*	47*
47*	56*	69	73	72	62	58*	39*	24*	51*
50*	57*	63*	76	70	60*	53*	42*	31*	51*
43	67*	69	75	72*	59*	54*	44*	25*	50*
52*	61*	71	75	73	62*	46*	34*	13*	50*
56*	72*	69*	78	68*	62*	51*	40*	21*	51*
49*	52*	58	72*	72	65*	50*	41*	21*	49*
45*	56*	69	72*	70*	64*	49*	35*	31*	47*
52*	66*	69	77	73	62*	48*	38*	23*	51*
54*	62*	72	73	72*	62*	49*	40*	20*	51*
47*	62*	65	74	69	62*	51*	35*	29*	48*
45*	55*	70*	77*	76	61*	51*	39*	12*	49*
51*	59	73*	72*	72	59*	53	37*	26*	50*
56*	67*	69	75*	71*	62*	50*	33*	10*	43*
52*	62*	70	75*	67*	62*	51*	34*	24*	47*
50*	62*	73	79*	70*	63*	47*	42*	30*	51*
50*	67*	76	81*	81*					50*



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726435 STATION NAME: VOLK FLD ANG3 WI PERIOD OF RECORD: 6  
LST TO UTC: +06 MONTH: ALL HOURS:  
.....  
YEAR JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

.....  
MEAN 15.2 21.0 33.8 48.5 60.3 69.2 73.7 70.7 61.5 50.7 37.  
.....  
TOTAL OBS 611 572 621 599 630 702 697 708 608 610 54  
.....

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR TH

LY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

FLD ANGB WI

PERIOD OF RECORD: 6406-8808

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-----	-----	-----	-----	-----	-----	-----	-----	--------

60.3	69.2	73.7	70.7	61.5	50.7	37.0	22.6	48.3
------	------	------	------	------	------	------	------	------

630	702	697	708	608	610	547	565	7470
-----	-----	-----	-----	-----	-----	-----	-----	------

MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

E - 4 - 18

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JAN

.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURES					
LST		DEVIATION	OBS	LE 0	LE 32	GE 65	GE 80	GE	
00-02	.0	.000	0	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	0	
06-08	11.8	14.941	418	103	391	0	0		
09-11	14.3	13.652	1011	174	928	0	0		
12-14	19.0	12.474	1011	77	862	0	0		
15-17	20.4	11.904	728	33	608	0	0		
18-20	.0	.000	0	0	0	0	0		
21-23	.0	.000	0	0	0	0	0		
ALL									
HOURS	16.9	13.443	3163	392	2789	0	0		

MONTH: FEB

00-02	.0	.000	0	0	0	0	0		
03-05	.0	.000	0	0	0	0	0		
06-08	16.3	13.993	453	75	401	0	0		
09-11	21.2	13.183	975	70	751	0	0		
12-14	26.3	12.158	974	17	633	0	0		
15-17	27.4	12.046	731	12	451	0	0		
18-20	.0	.000	0	0	0	0	0		
21-23	.0	.000	0	0	0	0	0		
ALL									
HOURS	23.5	13.327	3133	174	2236	0	0		

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

VOLK FLD ANGB WI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

0	0	0	0	0	0
0	0	0	0	0	0
103	391	0	0	0	416
174	928	0	0	0	1011
77	862	0	0	0	1011
38	608	0	0	0	726
0	0	0	0	0	0
0	0	0	0	0	0
392	2789	0	0	0	3168

MONTH: FEB

0	0	0	0	0	0
0	0	0	0	0	0
75	401	0	0	0	453
70	751	0	0	0	975
17	633	0	0	0	974
12	451	0	0	0	731
0	0	0	0	0	0
0	0	0	0	0	0
174	2236	0	0	0	3133

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE			
				LE 0	LE 32	GE 65	GE 80
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	28.6	11.638	393	6	247	0	0
09-11	33.5	11.525	1024	1	479	7	0
12-14	38.3	11.926	1034	0	332	27	2
15-17	39.7	11.849	669	0	175	20	1
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	35.8	12.293	3125	7	1233	54	3

MONTH: APR

00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	43.8	9.929	433	0	46	12	0
09-11	49.5	11.073	974	0	49	95	4
12-14	54.2	12.250	994	0	27	194	25
15-17	55.0	12.519	589	0	17	132	17
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	51.3	12.253	2990	0	139	433	46

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR

TOTAL HOURS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
	LE 0	LE 32	GE 65	GE 80	GE 93	
0	0	0	0	0	0	0
0	0	0	0	0	0	0
393	6	247	0	0	0	398
124	1	479	7	0	0	1024
134	0	332	27	2	0	1034
59	0	175	20	1	0	669
0	0	0	0	0	0	0
0	0	0	0	0	0	0
125	7	1233	54	3	0	3125

MONTH: APR

0	0	0	0	0	0	0
0	0	0	0	0	0	0
433	0	46	12	0	0	433
174	0	49	95	4	0	974
174	0	27	194	25	1	994
589	0	17	132	17	2	589
0	0	0	0	0	0	0
0	0	0	0	0	0	0
990	0	139	433	46	3	2990

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 1  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES				
				LE 0	LE 32	GE 65	GE 80	GE
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	56.6	9.266	663	0	0	151	3	
09-11	63.5	10.023	1028	0	0	468	51	
12-14	67.9	10.259	1024	0	0	657	122	
15-17	68.7	10.239	463	0	0	311	62	
18-20	.0	.000	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	
ALL HOURS	64.2	10.911	3183	0	0	1587	248	

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	
06-08	64.8	7.282	776	0	0	392	13	
09-11	70.6	7.945	1187	0	0	921	165	
12-14	74.8	8.114	1198	0	0	1067	351	
15-17	75.6	8.328	770	0	0	699	252	
18-20	.0	.000	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	
ALL HOURS	71.7	8.915	3931	0	0	3079	906	

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY

TOTAL HRS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
	LE 0	LE 32	GE 65	GE 80	GE 93	
0	0	0	0	0	0	0
0	0	0	0	0	0	0
663	0	0	151	3	0	668
1028	0	0	468	51	0	1029
1024	0	0	657	122	6	1024
463	0	0	311	62	2	463
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3143	0	0	1587	248	8	3143

MONTH: JUN

	LE 0	LE 32	GE 65	GE 80	GE 93	
0	0	0	0	0	0	0
0	0	0	0	0	0	0
776	0	0	392	13	0	776
1197	0	0	921	165	2	1197
1198	0	0	1067	361	10	1198
770	0	0	699	262	12	770
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3931	0	0	3079	806	24	3931



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 71  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES				
				LE 0	LE 32	GE 65	GE 80	GE
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	70.3	6.436	739	0	0	605	65	
09-11	76.1	6.772	1137	0	0	1091	344	
12-14	80.5	7.019	1146	0	0	1123	646	
15-17	81.3	7.298	632	0	0	674	419	
18-20	.0	.000	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	
ALL HOURS	77.3	7.986	3704	0	0	3498	1474	

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES				
				LE 0	LE 32	GE 65	GE 80	GE
00-02	.0	.000	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	
06-08	65.8	6.418	773	0	0	465	11	
09-11	72.1	6.526	1195	0	0	1051	155	
12-14	76.5	7.037	1193	0	0	1140	402	
15-17	77.4	7.292	690	0	0	658	284	
18-20	.0	.000	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	
ALL HOURS	73.2	8.049	3851	0	0	3314	952	

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI  
6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

0	0	0	0	0	0
0	0	0	0	0	0
0	0	605	65	0	739
0	0	1091	344	4	1137
0	0	1123	646	44	1146
0	0	674	419	32	682
0	0	0	0	0	0
0	0	0	0	0	0
0	0	3498	1474	80	3704

MONTH: AUG

0	0	0	0	0	0
0	0	0	0	0	0
0	0	465	11	0	773
0	0	1051	155	1	1195
0	0	1140	402	8	1193
0	0	658	284	8	690
0	0	0	0	0	0
0	0	0	0	0	0
0	0	3314	852	17	3851

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: 1  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERA LE 0	LE 32	GE 65	GE 80
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	56.0	9.344	442	0	4	125	1
09-11	62.8	9.883	948	0	0	403	39
12-14	67.2	9.677	998	0	0	588	120
15-17	67.9	9.561	463	0	0	294	60
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	63.6	10.279	3091	0	4	1410	220

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERA LE 0	LE 32	GE 65	GE 80
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	45.3	9.622	597	0	54	15	0
09-11	51.4	9.170	967	0	8	85	1
12-14	55.9	9.843	980	0	3	198	4
15-17	56.6	9.948	439	0	1	93	2
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	52.4	10.482	2983	0	66	391	7

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB HI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

0	0	0	0	0	0
0	0	0	0	0	0
0	4	125	1	0	642
0	0	403	39	0	988
0	0	588	120	3	998
0	0	294	60	3	463
0	0	0	0	0	0
0	0	0	0	0	0
0	4	1410	220	6	3091

MONTH: OCT

0	0	0	0	0	0
0	0	0	0	0	0
0	54	15	0	0	597
0	8	85	1	0	967
0	3	198	4	0	980
0	1	93	2	0	439
0	0	0	0	0	0
0	0	0	0	0	0
0	66	391	7	0	2983

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DE				
				LE 0	LE 32	GE 65	GE 80	GE 93
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	33.1	10.822	273	2	125	0	0	0
09-11	37.3	11.030	802	1	257	1	0	0
12-14	41.3	11.574	811	0	169	19	0	0
15-17	41.9	11.579	544	0	115	11	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	39.4	11.630	2430	3	576	31	0	0

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DE				
				LE 0	LE 32	GE 65	GE 80	GE 93
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	13.6	13.735	284	35	249	0	0	0
09-11	21.4	12.944	852	70	698	0	0	0
12-14	25.2	12.042	855	37	615	0	0	0
15-17	25.3	11.551	526	15	380	0	0	0
18-20	.0	.000	0	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0	0
ALL HOURS	23.3	12.725	2517	157	1942	0	0	0

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

E: VOLK FLD ANGB WT  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93		HOURS
0	0	0	0	0		0
0	0	0	0	0		0
2	125	0	0	0		273
1	257	1	0	0		258
0	169	19	0	0		311
0	115	11	0	0		544
0	0	0	0	0		0
0	0	0	0	0		0
3	676	31	0	0		2430

MONTH: DEC

0	0	0	0	0		0
0	0	0	0	0		0
35	249	0	0	0		294
70	698	0	0	0		852
37	615	0	0	0		955
15	380	0	0	0		526
0	0	0	0	0		0
0	0	0	0	0		0
157	1942	0	0	0		2517

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE LE 0 LE 32 GE 65 GE 90
00-02	.0	.000	0	0 0 0 0
03-05	.0	.000	0	0 0 0 0
06-08	48.2	21.669	6454	221 1517 1765 98
09-11	49.4	23.491	12140	316 3180 4122 769
12-14	53.9	23.417	12218	131 2641 5013 1632
15-17	52.8	24.003	7294	65 1747 2892 1107
18-20	.0	.000	0	0 0 0 0
21-23	.0	.000	0	0 0 0 0
ALL HOURS	51.3	23.394	33106	733 9085 13797 3656

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGE WI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: ALL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 0	LE 32	GE 65	GE 80	GE 93	HOURS
0	0	0	0	0	0
0	0	0	0	0	0
221	1517	1765	98	0	6454
316	3180	4122	769	7	12140
131	2641	5013	1632	72	12218
65	1747	2892	1107	59	7294
0	0	0	0	0	0
0	0	0	0	0	0
733	9085	13797	3656	138	34106



OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: JAN

.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPE		
LST		DEVIATION	OBS	LE 32	GE 50	GE 67 GE
.....	.....	.....	.....	.....	.....	.....
00-02	.0	.000	0	0	0	0
03-05	.0	.000	0	0	0	0
06-08	10.7	14.257	413	404	0	0
09-11	12.8	12.953	1010	968	0	0
12-14	16.7	11.710	1011	930	0	0
15-17	17.9	11.179	723	661	0	0
18-20	.0	.000	0	0	0	0
21-23	.0	.000	0	0	0	0
ALL						
HOURS	14.9	12.633	3167	2963	0	0
.....	.....	.....	.....	.....	.....	.....

MONTH: FEB

.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPE		
LST		DEVIATION	OBS	LE 32	GE 50	GE 67 GE
.....	.....	.....	.....	.....	.....	.....
00-02	.0	.000	0	0	0	0
03-05	.0	.000	0	0	0	0
06-08	14.7	13.291	448	420	0	0
09-11	18.3	12.294	966	833	0	0
12-14	22.7	10.917	964	764	1	0
15-17	23.5	10.713	723	561	4	0
18-20	.0	.000	0	0	0	0
21-23	.0	.000	0	0	0	0
ALL						
HOURS	20.6	12.082	3106	2578	5	0
.....	.....	.....	.....	.....	.....	.....

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
	LE 32	GE 50	GE 67	GE 73	GE 80	
0	0	0	0	0	0	0
0	0	0	0	0	0	0
413	404	0	0	0	0	413
1010	968	0	0	0	0	1010
1011	930	0	0	0	0	1011
723	661	0	0	0	0	723
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3157	2963	0	0	0	0	3157

MONTH: FEB

0	0	0	0	0	0	0
0	0	0	0	0	0	0
448	420	0	0	0	0	448
966	833	0	0	0	0	966
964	764	1	0	0	0	964
723	561	4	0	0	0	723
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3106	2578	5	0	0	0	3106

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPE				
				LE 32	GE 50	GE 67	GE	
00-02	.0	.000	0	0	0	0		
03-05	.0	.000	0	0	0	0		
06-08	25.8	10.708	398	307	6	0		
09-11	29.5	10.049	1021	633	32	0		
12-14	32.6	9.612	1034	529	54	0		
15-17	33.5	9.294	663	322	34	0		
18-20	.0	.000	0	0	0	0		
21-23	.0	.000	0	0	0	0		
ALL HOURS	30.9	10.123	3121	1791	126	0		

MONTH: APR

00-02	.0	.000	0	0	0	0		
03-05	.0	.000	0	0	0	0		
06-08	38.7	8.403	433	94	41	0		
09-11	42.0	8.698	974	114	185	1		
12-14	44.4	8.898	994	81	254	8		
15-17	44.7	8.911	589	47	161	7		
18-20	.0	.000	0	0	0	0		
21-23	.0	.000	0	0	0	0		
ALL HOURS	42.9	9.012	2990	336	641	16		

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

VOLK FLD ANGB HI

PERIOD OF RECORD: AUG 73 - JUL 88

MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 32 GE 50 GE 67 GE 73 GE 80 HOURS

0	0	0	0	0	0
0	0	0	0	0	0
307	6	0	0	0	398
633	32	0	0	0	1021
529	54	0	0	0	1034
322	34	0	0	0	668
0	0	0	0	0	0
0	0	0	0	0	0
1791	126	0	0	0	3121

MONTH: APR

0	0	0	0	0	0
0	0	0	0	0	0
94	41	0	0	0	433
114	185	1	0	0	974
81	254	8	0	0	994
47	161	7	0	0	569
0	0	0	0	0	0
0	0	0	0	0	0
336	641	16	0	0	2990

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERA LE 32 GE 50 GE 67 GE 73			
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	50.9	8.412	668	3	355	18	1
09-11	54.3	3.253	1027	0	719	81	13
12-14	56.2	7.975	1024	0	808	119	13
15-17	56.6	7.721	463	0	371	57	4
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	54.5	9.396	3132	3	2253	274	31

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERA LE 32 GE 50 GE 67 GE 73			
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	58.3	6.518	776	0	710	107	14
09-11	61.5	5.641	1185	0	1147	297	55
12-14	63.2	5.456	1193	0	1192	391	101
15-17	63.8	6.370	770	0	769	271	55
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	62.0	6.758	3929	0	3819	1065	245

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB #1  
LOC: + 6

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: MAY

AL	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
5	LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	355	18	1	0	658	
7	0	719	81	13	0	1027
0	0	808	118	13	0	1024
0	0	371	57	4	0	463
0	0	0	0	0	0	0
0	0	0	0	0	0	0
3	2253	274	31	0	3182	

MONTH: JUN

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	710	107	14	0	776	
0	1147	297	65	2	1185	
0	1192	391	101	5	1198	
0	769	271	65	5	770	
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	3819	1066	245	12	3929	

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGE WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: JUL

.....	.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN	NUMBER OF HOURS WITH TEMPERA		
LST		DEVIATION	OBS	LE 32	GE 50	GE 67	GE 73
.....	.....	.....	.....	.....	.....	.....	.....
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	64.3	5.697	737	0	736	295	49
09-11	66.9	5.526	1134	0	1134	593	206
12-14	68.4	5.591	1143	0	1143	717	293
15-17	68.7	5.436	681	0	631	443	159
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL							
HOURS	67.2	5.879	3695	0	3694	2038	716
.....	.....	.....	.....	.....	.....	.....	.....

MONTH: AUG

.....	.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN	NUMBER OF HOURS WITH TEMPERA		
LST		DEVIATION	OBS	LE 32	GE 50	GE 67	GE 73
.....	.....	.....	.....	.....	.....	.....	.....
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	61.7	6.162	770	0	745	176	29
09-11	64.7	5.731	1191	0	1182	458	101
12-14	65.2	5.956	1183	0	1136	576	162
15-17	66.9	5.913	687	0	684	342	128
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL							
HOURS	64.9	6.187	3836	0	3797	1554	426
.....	.....	.....	.....	.....	.....	.....	.....

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI  
6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 32 GE 50 GE 67 GE 73 GE 80 HOURS

0	0	0	0	0	0
0	0	0	0	0	0
0	736	285	49	0	737
0	1134	593	206	3	1134
0	1143	717	293	22	1143
0	631	443	168	17	681
0	0	0	0	0	0
0	0	0	0	0	0
0	3694	2036	716	42	3695

MONTH: AUG

0	0	0	0	0	0
0	0	0	0	0	0
0	745	176	29	0	770
0	1182	458	101	0	1191
0	1186	576	168	10	1188
0	684	342	128	9	687
0	0	0	0	0	0
0	0	0	0	0	0
0	3797	1554	426	19	3836



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE				
				LE 32	GE 50	GE 67	GE 73	G
00-02	.0	.000	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	
06-08	52.6	9.157	630	7	402	40	5	
09-11	56.5	8.126	965	0	776	121	27	
12-14	58.6	8.403	973	0	859	139	57	
15-17	52.9	8.235	452	0	407	90	32	
18-20	.0	.000	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	
ALL HOURS	56.7	8.754	3020	9	2444	440	121	

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE				
				LE 32	GE 50	GE 67	GE 73	G
00-02	.0	.000	0	0	0	0	0	
03-05	.0	.000	0	0	0	0	0	
06-08	41.9	9.263	595	38	120	4	0	
09-11	45.7	8.488	967	48	313	12	0	
12-14	48.3	8.450	980	23	411	17	0	
15-17	43.7	8.620	439	10	190	10	0	
18-20	.0	.000	0	0	0	0	0	
21-23	.0	.000	0	0	0	0	0	
ALL HOURS	46.3	9.029	2982	169	1034	43	0	

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
CZ: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F	TOTAL
LE 32 GE 50 GE 67 GE 73 GE 80 HOURS	
0 0 0 0 0 0	0
0 0 0 0 0 0	0
0 402 40 5 0	630
0 776 121 27 1	965
0 859 189 57 7	973
0 407 90 32 2	452
0 0 0 0 0 0	0
0 0 0 0 0 0	0
9 2444 440 121 10	3020

MONTH: OCT

0 0 0 0 0 0	0
0 0 0 0 0 0	0
33 120 4 0 0	596
48 313 12 0 0	967
23 411 17 0 0	980
10 190 10 0 0	439
0 0 0 0 0 0	0
0 0 0 0 0 0	0
169 1034 43 0 0	2982

OPERATING LOCATION NAM  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB HI  
LST TO UTC: + 6

PERIOD OF RECORD: ALL  
MONTH: NOV

.....	.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURE			
LST		DEVIATION	HRS	LE 32	GE 50	GE 67	GE 73
.....	.....	.....	.....	.....	.....	.....	.....
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	30.7	10.490	273	157	14	0	0
09-11	33.7	10.317	302	392	60	0	0
12-14	36.6	10.150	311	303	90	0	0
15-17	36.5	10.155	544	207	61	0	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL							
HOURS	35.0	10.454	2430	1049	225	0	0
.....	.....	.....	.....	.....	.....	.....	.....

MONTH: DEC

.....	.....	.....	.....	.....	.....	.....	.....
HOURS	MEAN	STANDARD	TOTAL	MEAN NUMBER OF HOURS WITH TEMPERATURE			
LST		DEVIATION	HRS	LE 32	GE 50	GE 67	GE 73
.....	.....	.....	.....	.....	.....	.....	.....
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	17.3	13.274	294	259	3	0	0
09-11	19.7	12.437	352	761	2	0	0
12-14	22.6	11.416	355	691	9	0	0
15-17	23.1	10.967	526	428	6	0	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL							
HOURS	21.1	12.044	2517	2139	27	0	0
.....	.....	.....	.....	.....	.....	.....	.....

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB MI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: NOV

TOTAL HRS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
	LE 32	GE 50	GE 67	GE 73	GE 80	
0	0	0	0	0	0	0
0	0	0	0	0	0	0
73	157	14	0	0	0	273
02	382	60	0	0	0	802
11	303	90	0	0	0	811
44	207	61	0	0	0	544
0	0	0	0	0	0	0
0	0	0	0	0	0	0
30	1049	225	0	0	0	2430

MONTH: DEC

0	0	0	0	0	0	0
0	0	0	0	0	0	0
4	259	3	0	0	0	284
2	761	9	0	0	0	852
5	691	9	0	0	0	855
5	428	6	0	0	0	526
0	0	0	0	0	0	0
0	0	0	0	0	0	0
17	2139	27	0	0	0	2517

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE			
				LE 32	GE 50	GE 67	GE 73
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	44.2	20.089	6431	1741	3132	630	98
09-11	43.5	20.632	12094	3739	5557	1563	412
12-14	46.0	19.765	12175	3321	6007	2018	632
15-17	44.9	20.156	7275	2235	3368	1220	397
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	44.7	20.216	37975	11037	18064	5431	1539

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGR WI  
C: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: ALL

L	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
	LE 32	GE 50	GE 67	GE 73	GE 80	
.....	0	0	0	0	0	0
.....	0	0	0	0	0	0
.....	1741	3132	630	98	0	6431
.....	3739	5557	1563	412	6	12094
.....	3321	6007	2018	632	44	12175
.....	2235	3368	1220	397	33	7275
.....	0	0	0	0	0	0
.....	0	0	0	0	0	0
.....	11037	18064	5431	1539	83	37975
.....						

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725435

STATION NAME: VOLK FLD ANGR HI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE LE 27 GE 37 LE 55 GE 65			
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	4.3	15.496	413	400	2	415	0
09-11	5.5	15.511	1010	947	5	1010	0
12-14	8.2	14.662	1011	923	6	1011	0
15-17	9.2	14.157	723	655	7	725	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	7.1	15.199	3157	2935	21	3167	0

MONTH: FEB

00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	3.0	15.523	443	409	2	443	0
09-11	11.2	14.624	966	843	10	966	0
12-14	13.5	13.287	964	819	20	964	0
15-17	13.6	13.264	723	614	10	723	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	12.0	14.194	3105	2535	42	3106	0

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

... : VOLK FLD ANGB WI  
... : 6

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 27 GE 37 LE 55 GE 65 HOURS

0	0	0	0	0
0	0	0	0	0
400	2	418	0	418
947	6	1010	0	1010
923	6	1011	0	1011
665	7	728	0	728
0	0	0	0	0
0	0	0	0	0
2935	21	3167	0	3167

MONTH: FEB

0	0	0	0	964
0	0	0	0	964
409	2	448	0	964
843	10	966	0	964
819	20	964	0	964
614	10	728	0	964
0	0	0	0	964
0	0	0	0	964
2635	42	3106	0	3106



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB MI  
LST TO UTC: + 5

PERIOD OF RECORD: AUG 73  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	19.5	12.264	393	245	24	398	0
09-11	21.7	11.524	1021	696	39	1020	0
12-14	23.0	11.222	1034	665	105	1034	0
15-17	23.1	10.740	663	442	50	666	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	22.2	11.434	3121	2034	278	3120	0

MONTH: APR

00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	31.9	9.906	433	146	125	422	0
09-11	32.5	10.649	974	322	332	953	0
12-14	32.9	10.909	994	326	346	972	0
15-17	32.5	10.873	589	208	198	577	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	32.5	10.703	2990	1002	1001	2935	0

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

WJLK FLD ANGB MI PERIOD OF RECORD: AUG 73 - JUL 88  
5 MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 27 GE 37 LE 55 GE 65 HOURS

0	0	0	0	0
0	0	0	0	0
285	24	398	0	398
696	39	1020	0	1021
665	105	1034	0	1034
442	60	666	0	666
0	0	0	0	0
0	0	0	0	0
2038	278	3120	0	3121

MONTH: APR

0	0	0	0	994
0	0	0	0	994
146	125	428	0	994
322	332	953	0	994
326	346	972	0	994
208	198	577	0	994
0	0	0	0	994
0	0	0	0	994
1002	1001	2935	0	2990

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 1  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	45.5	10.044	668	26	543	550	14
09-11	46.3	10.594	1027	40	833	799	44
12-14	46.4	10.871	1024	41	830	788	49
15-17	46.4	10.730	453	21	382	356	18
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	46.2	10.630	3182	128	2588	2495	125

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	54.5	7.769	775	0	771	432	38
09-11	55.3	8.533	1185	0	1174	596	137
12-14	55.5	8.856	1198	0	1185	594	209
15-17	55.0	8.731	770	0	762	363	134
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	55.3	8.552	3929	0	3892	1990	618

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

VOLK FLD ANGB WI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 27 GE 37 LE 55 GE 65 HOURS

0	0	0	0	0
0	0	0	0	0
26	543	550	14	568
40	833	799	44	1027
41	830	788	49	1024
21	382	356	18	463
0	0	0	0	0
0	0	0	0	0
128	2588	2495	125	3192

MONTH: JUN

0	0	0	0	1199
0	0	0	0	1198
0	771	432	88	1198
0	1174	596	187	1198
0	1185	594	209	1198
0	762	368	134	1198
0	0	0	0	1198
0	0	0	0	1198
0	3892	1990	618	3929

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG8 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: JUL

HOURLS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES 0			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	60.6	6.597	737	0	737	189	234
09-11	61.5	7.109	1134	0	1134	250	429
12-14	61.7	7.641	1143	0	1143	254	450
15-17	61.6	7.366	681	0	681	152	242
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	61.4	7.271	3695	0	3695	845	1355

MONTH: AUG							
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	58.9	7.230	770	0	767	243	194
09-11	60.1	7.538	1191	0	1184	311	367
12-14	60.0	8.353	1133	1	1177	333	396
15-17	60.6	8.009	687	0	684	180	237
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	59.9	7.885	3836	1	3312	1067	1189

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB HI  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 27 GE 37 LE 55 GE 65 HOURS

0	0	0	0	0
0	0	0	0	0
0	737	189	234	737
0	1134	250	429	1134
0	1143	254	450	1143
0	681	152	242	681
0	0	0	0	0
0	0	0	0	0
0	3695	845	1355	3695

MONTH: AUG

0	0	0	0	1189
0	0	0	0	1186
0	767	243	198	1189
0	1184	311	367	1188
1	1177	333	396	1183
0	684	180	237	1188
0	0	0	0	1188
0	0	0	0	1185
1	3312	1067	1189	3336

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR MI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 27 GE 37 LE 55 GE 65			
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	49.6	10.356	630	15	562	452	48
09-11	51.5	10.088	965	13	897	620	105
12-14	51.9	10.831	973	16	387	532	140
15-17	52.2	10.563	452	5	416	282	59
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	51.3	10.520	3020	49	2762	1946	352

MONTH: OCT

00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	37.3	10.665	596	84	314	561	6
09-11	39.3	10.539	967	36	579	478	9
12-14	40.2	10.939	980	106	603	884	12
15-17	40.4	11.309	439	51	273	395	5
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	39.6	10.890	2982	347	1769	2718	32

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

ST: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 84  
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 27	GE 37	LE 55	GE 65		HOURS
0	0	0	0		0
0	0	0	0		0
15	552	452	49		530
13	897	620	105		965
16	387	592	140		973
5	416	282	59		452
0	0	0	0		0
0	0	0	0		0
49	2762	1946	352		3020

MONTH: OCT

0	0	0	0		980
0	0	0	0		980
84	314	561	6		980
96	579	979	9		980
106	603	834	12		980
61	273	395	5		980
0	0	0	0		980
0	0	0	0		980
347	1769	2718	32		2982



OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 5

PERIOD OF RECORD: A  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERAT			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	25.9	12.167	273	157	57	271	0
09-11	27.6	12.230	302	417	195	795	0
12-14	28.5	12.352	811	383	195	795	0
15-17	27.0	12.338	544	274	128	532	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	27.3	12.343	2430	1238	547	2395	0

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERAT			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	12.2	15.176	284	245	8	254	0
09-11	14.0	14.450	852	715	23	851	0
12-14	15.5	13.860	355	584	28	851	0
15-17	15.6	13.667	526	432	21	522	0
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	14.7	14.230	2517	2076	60	2508	0

DFW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI  
F S

PERIOD OF RECORD: AUG 73 - JUL 80  
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 27	GE 37	LE 55	GE 65		HOURS
0	0	0	0		0
0	0	0	0		0
159	57	271	0		273
417	188	796	0		802
383	135	796	0		811
274	128	532	0		544
0	0	0	0		0
0	0	0	0		0
1238	569	2395	0		2430

MONTH: DEC

0	0	0	0		855
0	0	0	0		855
245	8	284	0		855
715	23	851	0		855
634	28	851	0		855
432	21	522	0		855
0	0	0	0		855
0	0	0	0		855
2076	80	2508	0		2517

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE			
				LE 27	GE 37	LE 55	GE 65
00-02	.0	.000	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0
06-08	39.5	21.761	6431	1769	3912	4674	578
09-11	37.0	22.213	12094	4089	5449	9055	1141
12-14	37.9	21.471	12175	3969	6526	9073	1256
15-17	36.3	21.971	7275	2722	3622	5490	695
18-20	.0	.000	0	0	0	0	0
21-23	.0	.000	0	0	0	0	0
ALL HOURS	37.5	21.878	37975	12549	20509	24292	3670

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

: VOLK FLD ANGB WI  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: ALL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL
LE 27	GE 37	LE 55	GE 65		HOURS
0	0	0	0		0
0	0	0	0		0
1769	3912	4674	578		6431
4089	6449	9055	1141		12094
3969	6526	9073	1256		12175
2722	3622	5490	695		7275
0	0	0	0		0
0	0	0	0		0
12549	20509	25292	3670		37975

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG5 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JAN

HOURLS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN
00-02										.0
03-05										.0
06-08	100.0	100.0	100.0	99.5	95.5	75.4	47.3	20.3	9.1	69.3
09-11	100.0	100.0	99.9	98.7	87.5	63.9	37.3	15.4	4.3	65.4
12-14	100.0	100.0	99.8	93.9	73.9	49.2	25.9	10.9	2.1	60.1
15-17	100.0	100.0	99.7	93.0	71.4	46.7	24.9	11.0	2.2	59.4
18-20										.0
21-23										.0
ALL HOURLS	100.0	100.0	99.8	96.0	80.5	56.7	32.4	13.6	3.7	.0
MONTH: FEB										
00-02										.0
03-05										.0
06-08	100.0	100.0	99.8	99.6	86.4	72.3	48.9	17.6	6.9	67.6
09-11	100.0	100.0	99.5	96.2	80.5	58.5	34.5	12.9	5.2	63.1
12-14	100.0	100.0	99.0	87.3	63.8	40.0	20.9	7.9	3.7	56.7
15-17	100.0	100.0	93.6	82.2	57.0	33.0	16.5	6.5	2.6	54.2
18-20										.0
21-23										.0
ALL HOURLS	100.0	100.0	99.2	90.5	70.7	46.6	22.1	10.5	4.4	.0

101

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANG8 WI

PERIOD OF RECORD: AUG 73 - JUL 88

ST + 6

MONTH: JAN

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
						.0	0

41						.0	0
101	99.5	95.5	75.4	47.3	20.3	9.1	69.3
101	99.7	87.5	63.9	37.3	15.4	4.3	65.4
101	99.9	73.0	49.2	25.9	10.9	2.1	60.1
7	99.0	71.4	46.7	24.9	11.0	2.2	59.4

						.0	0
						.0	0
10	99.0	80.5	56.7	32.4	13.6	3.7	.0
							3167

MONTH: FEB

						.0	0
						.0	0
44	99.5	86.4	72.3	48.9	17.6	6.9	67.6
96	99.2	80.5	53.5	34.5	12.9	5.2	63.1
96	97.3	63.8	40.0	20.9	7.9	3.7	56.7
72	92.8	57.0	33.0	16.5	6.5	2.6	54.2
						.0	0
						.0	0

100	95.5	70.7	46.8	28.1	10.5	4.4	.0
							3106

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AI  
MONTH: MAR

.....	.....										.....
HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02											.0
03-05											.0
06-08	100.0	100.0	100.0	99.2	89.9	69.1	43.7	19.1	6.8	67.5	
09-11	100.0	100.0	99.7	93.1	74.1	50.4	28.7	14.8	4.1	61.0	
12-14	100.0	99.7	96.3	80.2	53.0	34.3	20.9	12.4	3.0	54.5	
15-17	100.0	99.7	94.9	73.1	45.4	29.5	17.8	10.2	2.4	51.8	
18-20											.0
21-23											.0
ALL HOURS	100.0	99.3	97.6	85.3	63.0	43.0	25.7	13.6	3.7	.0	

MONTH: APR

00-02											.0
03-05											.0
06-08	100.0	100.0	99.8	93.3	73.1	55.0	37.2	21.2	6.5	63.5	
09-11	100.0	99.7	92.1	73.7	52.7	37.4	24.7	13.4	3.7	54.3	
12-14	100.0	97.9	78.3	55.0	37.4	25.4	17.7	10.4	2.6	47.3	
15-17	100.0	96.6	76.4	50.4	33.4	23.1	15.0	10.9	3.7	45.7	
18-20											.0
21-23											.0
ALL HOURS	100.0	98.5	85.7	65.1	47.5	33.1	22.5	13.0	3.7	.0	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGE WI  
STATION: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAR

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

40% 50% 60% 70% 80% 90% MEAN TOTAL OBS

.0 0

.0 0

89.2 89.9 69.1 43.7 19.1 6.8 67.5 398

88.1 74.1 50.4 28.7 14.8 4.1 61.0 1021

80.2 53.0 34.3 20.9 12.4 3.0 54.5 1034

73.1 45.4 29.5 17.8 10.2 2.4 51.8 668

.0 0

.0 0

65.3 63.0 43.0 25.7 13.6 3.7 .0 3121

MONTH: APR

.0 0

.0 0

73.3 73.1 55.0 37.2 21.2 6.5 63.5 433

73.7 52.7 37.4 24.7 13.4 3.7 54.3 974

65.0 37.4 25.4 17.7 10.4 2.6 47.3 994

60.4 33.4 23.1 15.0 10.9 3.7 45.7 589

.0 0

.0 0

65.1 47.5 33.1 22.5 13.0 3.7 .0 2990



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUM  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB 41  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: MAY

.....	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										.....
HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TO
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
00-02										.0	
03-05										.0	
06-08	100.0	100.0	99.7	96.9	87.6	68.4	44.9	28.3	8.8	67.9	
09-11	100.0	99.7	95.8	81.2	59.1	40.0	25.0	12.3	2.8	56.1	
12-14	100.0	99.1	87.8	62.5	43.4	28.9	16.5	7.4	2.2	49.2	
15-17	100.0	98.7	84.4	56.5	42.3	28.3	15.6	6.5	2.4	48.3	
18-20										.0	
21-23										.0	
ALL											
HOURS	100.0	99.4	92.7	74.9	57.6	40.7	25.2	13.2	3.8	.0	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MONTH: JUN

00-02										.0	
03-05										.0	
06-08	100.0	100.0	100.0	99.2	93.7	79.4	53.4	28.0	10.1	70.6	
09-11	100.0	100.0	99.2	92.2	73.7	48.2	27.0	14.6	4.6	60.4	
12-14	100.0	99.8	95.7	79.0	55.6	29.6	13.2	7.8	3.6	53.3	
15-17	100.0	100.0	95.5	79.1	51.9	30.0	18.7	9.1	3.6	53.1	
18-20										.0	
21-23										.0	
ALL											
HOURS	100.0	99.9	97.6	87.0	67.9	45.1	27.9	14.1	5.2	.0	

RELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION: VOLK FLD ANGB MI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY

.....						
HUMIDITY GREATER THAN OR EQUAL TO						
50%	60%	70%	80%	90%	MEAN	TOTAL OBS
.....						
					.0	0
					.0	0
87.6	64.4	44.9	28.3	8.5	67.9	664
59.1	40.0	25.0	12.3	2.8	56.1	1027
43.4	28.9	16.5	7.4	2.2	43.2	1024
42.3	28.3	15.6	6.5	2.4	44.3	463
					.0	0
					.0	0
57.6	40.7	25.2	13.2	3.8	.0	3142

MONTH: JUN

					.0	0
					.0	0
93.7	79.4	53.4	28.0	10.1	70.6	776
73.7	48.2	27.0	14.6	4.6	60.4	1135
55.6	29.6	18.2	7.8	3.6	53.3	1198
51.9	30.0	18.7	9.1	3.6	53.1	770
					.0	0
					.0	0
57.9	45.1	27.9	14.1	5.2	.0	3920

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG  
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN
	10%	20%	30%	40%	50%	60%	70%	80%	90%	
00-02										.0
03-05										.0
06-08	100.0	100.0	100.0	99.9	98.0	84.0	56.6	31.3	12.2	72.5
09-11	100.0	100.0	99.7	95.9	81.4	54.0	28.7	11.4	3.4	62.2
12-14	100.0	100.0	98.2	85.3	59.9	33.5	16.6	6.6	2.0	54.6
15-17	100.0	100.0	98.2	83.0	53.0	28.3	14.2	6.3	2.3	53.2
18-20										.0
21-23										.0
ALL HOURS	100.0	100.0	99.0	91.0	72.5	48.9	27.9	13.0	4.5	.0
MONTH: AUG										
00-02										.0
03-05										.0
06-08	100.0	100.0	99.9	99.5	97.9	93.0	81.0	53.1	25.6	79.3
09-11	100.0	99.9	99.4	96.3	88.6	63.9	44.2	24.5	9.9	67.7
12-14	100.0	99.9	97.7	91.3	70.0	43.4	24.0	12.3	5.5	59.8
15-17	100.0	100.0	98.1	91.1	68.7	41.5	23.5	12.5	5.5	59.4
18-20										.0
21-23										.0
ALL HOURS	100.0	99.9	98.7	94.6	81.2	60.9	41.7	24.3	10.9	.0

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGH WI  
UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							
40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
						.0	0
						.0	0
97.9	98.0	84.0	56.6	31.3	12.2	72.5	737
95.9	81.4	54.0	29.7	11.4	3.4	62.2	1134
85.3	58.9	33.5	15.6	6.6	2.0	54.6	1143
63.0	53.0	28.3	14.2	6.3	2.3	53.2	681
						.0	0
						.0	0
91.0	72.5	48.9	27.9	13.0	4.5	.0	3695

MONTH: AUG

						.0	0
						.0	0
94.5	97.9	93.0	81.0	53.1	25.6	79.3	770
90.3	88.6	68.9	44.2	24.5	9.9	67.7	1191
81.3	70.0	43.4	24.0	12.3	5.5	58.8	1188
61.1	68.7	41.5	23.5	12.5	5.5	59.4	687
						.0	0
						.0	0
84.6	81.2	60.9	41.7	24.3	10.9	.0	3836

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 5

PERIOD OF RECORD: A  
MONTH: SEP

.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02											.0
03-05											.0
06-08	100.0	100.0	99.8	98.9	97.0	92.5	79.8	60.5	25.1		50.0
09-11	100.0	100.0	99.2	95.4	87.8	70.9	50.3	27.9	10.8		68.6
12-14	100.0	99.4	96.5	89.5	72.7	50.9	30.0	16.2	6.2		60.5
15-17	100.0	99.3	97.1	89.8	70.8	43.7	29.2	13.9	2.9		59.6
18-20											.0
21-23											.0
ALL HOURS	100.0	99.7	97.3	93.4	82.3	65.6	46.8	28.8	11.1		.0
.....											
											MONTH: OCT
00-02											.0
03-05											.0
06-08	100.0	100.0	99.5	98.5	94.3	86.9	72.0	44.0	14.3		75.7
09-11	100.0	100.0	99.0	94.4	83.6	64.0	44.6	24.8	7.0		66.1
12-14	100.0	99.6	95.4	84.7	64.6	44.1	27.1	14.4	5.2		57.9
15-17	100.0	99.5	94.8	82.9	60.1	40.8	27.1	14.6	6.4		57.0
18-20											.0
21-23											.0
ALL HOURS	100.0	99.8	97.3	90.3	76.0	58.6	41.8	23.7	7.8		.0

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB WI  
TO UTC: + 6

PERIOD OF RECORD: AUG 73 - JUL 85  
MONTH: SEP

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
0							.0	0
							.0	0
1	93.9	97.0	92.5	79.8	60.5	25.1	60.0	530
2	95.4	97.8	70.9	50.3	27.9	10.8	59.6	965
3	89.6	72.7	50.9	30.0	16.2	6.2	60.5	973
4	89.8	70.8	43.7	29.2	13.9	2.9	59.6	452
							.0	0
							.0	0
5	93.4	92.3	65.6	46.8	24.8	11.1	.0	3020

MONTH: OCT

							.0	0
							.0	0
6	94.5	94.3	86.9	72.0	44.0	14.3	75.7	596
7	94.4	83.6	64.0	44.6	24.8	7.0	56.1	947
8	84.7	64.6	44.1	27.1	14.4	5.2	57.9	980
9	82.9	60.1	40.8	27.1	14.6	6.4	57.0	439
							.0	0
							.0	0
10	90.3	76.0	58.6	41.8	23.7	7.8	.0	2982

OPERATING LOCATION WAM  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG3 WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73 -  
MONTH: NOV

.....	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										.....
HOURS	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
00-02										.0	
03-05										.0	
06-08	100.0	100.0	100.0	95.5	94.1	85.7	64.1	37.4	11.4	73.3	2
09-11	100.0	100.0	99.3	95.4	86.2	69.8	45.3	23.9	10.1	67.6	3
12-14	100.0	99.6	97.4	85.9	66.5	48.0	30.6	20.0	7.9	60.1	4
15-17	100.0	100.0	97.2	82.2	62.7	45.2	29.2	16.9	5.1	58.5	5
18-20										.0	
21-23										.0	
ALL HOURS	100.0	99.9	98.3	89.6	75.2	58.3	35.9	22.6	8.6	.0	24

MONTH: DEC

00-02										.0	
03-05										.0	
06-08	100.0	100.0	100.0	99.5	97.9	90.1	59.9	33.1	9.9	73.6	2
09-11	100.0	100.0	99.9	99.5	96.5	82.2	52.6	25.2	7.6	70.9	3
12-14	100.0	100.0	99.4	98.1	86.1	60.6	33.8	17.5	5.1	64.7	4
15-17	100.0	100.0	99.2	97.3	83.1	54.2	30.8	17.1	5.1	63.5	5
18-20										.0	
21-23										.0	
ALL HOURS	100.0	100.0	99.6	98.6	90.3	69.9	42.5	21.8	6.7	.0	25

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI PERIOD OF RECORD: AUG 73 - JUL 88  
EOT: + 6 MONTH: NOV

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							
40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
						.0	0
						.0	0
95.5	94.1	85.7	64.1	37.4	11.4	73.8	273
92.4	86.2	69.8	45.3	23.9	10.1	67.6	302
88.2	65.5	48.0	30.6	20.0	7.9	60.1	811
82.2	52.7	45.2	29.2	16.9	6.1	58.5	544
						.0	0
						.0	0
75.6	75.2	58.3	38.9	22.6	8.6	.0	2430

MONTH: DEC

						.0	0
						.0	0
97.6	97.2	90.1	59.9	33.1	9.9	73.6	284
92.6	95.5	82.2	52.6	25.2	7.6	70.9	852
88.1	86.1	60.6	33.8	17.5	5.1	64.7	355
87.3	83.1	54.2	30.8	17.1	6.1	63.5	526
						.0	0
						.0	0
83.6	90.3	69.9	42.5	21.8	6.7	.0	2517



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUM  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANG B WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 73  
MONTH: ALL

.....	.....										.....
HOURS	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										
LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TD
00-02										.0	
03-05										.0	
06-08	100.0	100.0	99.9	98.6	93.0	80.1	58.9	34.5	13.2	72.3	
09-11	100.0	99.9	98.6	92.7	79.0	58.4	35.4	18.2	6.0	63.5	1.
12-14	100.0	99.6	95.1	82.5	61.7	40.0	23.1	11.6	4.0	55.2	1.
15-17	100.0	99.5	94.9	80.5	58.1	35.9	21.5	11.0	3.7	55.1	
18-20										.0	
21-23										.0	
ALL HOURS	100.0	99.8	97.0	85.1	71.8	52.1	33.1	17.5	5.2	61.0	3.

RELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 94  
MONTH: ALL

..... HUMIDITY GREATER THAN OR EQUAL TO .....							
40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
						.0	0
						.0	0
93.0	80.1	58.9	34.5	13.2	72.3		6431
79.0	58.4	35.4	18.2	6.0	63.5		12094
61.7	40.0	23.1	11.6	4.0	56.2		12175
55.1	35.9	21.5	11.0	3.7	55.1		7275
						.0	0
						.0	0
71.8	52.1	33.1	17.5	6.2	61.0		37975

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF REC

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SE
0000	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.0
	TOT OBS	0	0	0	0	0	0	0	0	
0300	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.0
	TOT OBS	0	0	0	0	0	0	0	0	
0600	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.0
	TOT OBS	0	0	0	0	0	0	0	0	
0900	MEAN	1020.2	1019.8	1016.9	1015.8	1015.4	1014.6	1016.0	1017.5	1018
	SD	10.525	9.694	9.365	9.177	6.688	6.213	4.714	4.972	6.5
	TOT OBS	335	324	339	322	339	374	375	397	3
1200	MEAN	1019.9	1019.3	1016.3	1015.1	1014.6	1014.1	1015.5	1016.9	1017
	SD	10.073	9.513	9.244	8.725	6.109	6.010	4.556	4.729	6.2
	TOT OBS	339	325	345	336	347	401	384	401	3
1500	MEAN	1018.9	1018.2	1015.3	1014.1	1013.5	1013.2	1014.7	1015.8	1016
	SD	9.953	9.237	8.823	8.125	5.856	5.825	4.360	4.673	6.0
	TOT OBS	333	322	337	324	327	390	365	390	2
1800	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	
2100	MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	
ALL HOURS	MEAN	1019.7	1019.1	1016.2	1015.0	1014.5	1014.0	1015.4	1016.8	1017
	SD	10.203	9.507	9.173	8.712	6.235	6.045	4.579	4.807	6.3
	TOT OBS	1007	971	1021	982	1013	1125	1124	1179	9

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NAME: VOLK FLD ANGB HI  
TIME: + 6

PERIOD OF RECORD: AUG 73 - JUL 83

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1016.9	1015.8	1015.4	1014.5	1016.0	1017.5	1018.1	1018.3	1018.3	1019.1	1017.4	
9.355	9.177	6.588	6.213	4.714	4.872	6.527	7.587	8.997	10.355	8.163	
339	322	339	324	375	397	312	298	249	265	3949	
1015.3	1015.1	1014.6	1014.1	1015.5	1016.9	1017.3	1017.6	1017.5	1018.5	1016.3	
9.244	8.725	6.109	6.010	4.556	4.729	6.232	7.526	8.782	10.332	7.954	
345	336	347	401	384	401	329	309	259	275	4050	
1015.3	1014.1	1013.6	1013.2	1014.7	1015.8	1016.3	1016.6	1016.7	1018.2	1015.9	
8.224	8.125	5.856	5.825	4.360	4.673	6.056	7.173	8.607	9.735	7.668	
337	324	327	390	365	380	297	291	250	251	3857	
1016.2	1015.0	1014.5	1014.0	1015.4	1016.8	1017.2	1017.5	1017.5	1018.7	1016.7	
9.173	8.712	6.235	6.045	4.579	4.807	6.335	7.466	8.820	10.160	7.963	
1021	982	1013	1135	1124	1178	938	898	758	791	11856	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
0000	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	0	0
0300	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	0	0
0600	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	0	0
0900	MEAN	30.06	30.06	29.99	29.98	29.96	29.97	30.02	30.05	30.07	30.00
	SD	.297	.272	.270	.257	.190	.180	.134	.140	.183	.21
	TOT OBS	335	325	339	322	339	394	375	397	324	31
1200	MEAN	30.05	30.05	29.98	29.96	29.96	29.96	30.01	30.04	30.05	30.00
	SD	.235	.271	.265	.252	.175	.174	.130	.136	.177	.21
	TOT OBS	339	325	345	336	347	401	384	401	339	33
1500	MEAN	30.03	30.02	29.95	29.93	29.93	29.94	29.98	30.01	30.02	30.00
	SD	.233	.253	.254	.238	.163	.166	.125	.134	.171	.20
	TOT OBS	333	323	337	324	327	390	365	360	309	30
1800	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	0	0
2100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.00
	TOT OBS	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	30.05	30.04	29.97	29.96	29.96	29.96	30.00	30.03	30.04	30.00
	SD	.289	.269	.264	.253	.179	.174	.131	.138	.178	.21
	TOT OBS	1007	973	1021	982	1013	1185	1124	1178	972	95

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

NAME: VOLK FLD ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0
.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0
.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0
29.99 .270 339	29.98 .267 322	29.98 .190 339	29.97 .180 394	30.02 .134 375	30.05 .140 397	30.07 .183 324	30.06 .219 318	30.03 .258 263	30.04 .292 282	30.03 .231 4013
29.95 .245 345	29.96 .252 336	29.96 .175 347	29.96 .174 401	30.01 .130 384	30.04 .136 401	30.05 .177 339	30.04 .218 330	30.02 .250 272	30.03 .292 292	30.01 .225 4111
29.95 .254 337	29.93 .238 324	29.93 .163 327	29.94 .166 390	29.98 .125 365	30.01 .134 380	30.02 .171 309	30.01 .209 305	29.99 .244 261	30.02 .275 269	29.99 .217 3923
.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0
.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0	.00 .000 0
29.97 .264 1021	29.96 .253 982	29.96 .179 1013	29.96 .174 1185	30.00 .131 1124	30.03 .138 1178	30.04 .178 972	30.04 .216 953	30.01 .251 796	30.03 .247 843	30.01 .225 12047



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD: AUG 7

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
0000	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0
0300	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0
0600	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0
0900	MEAN	29.07	29.08	29.01	29.00	29.00	28.99	29.04	29.07	29.08	29.08
	SD	.289	.264	.263	.260	.184	.175	.130	.136	.178	.213
	TOT OBS	335	325	339	322	339	374	375	397	324	318
1200	MEAN	29.07	29.07	29.00	28.98	28.93	28.98	29.02	29.06	29.06	29.06
	SD	.277	.264	.259	.245	.171	.164	.126	.132	.172	.212
	TOT OBS	339	325	345	336	347	401	384	401	339	330
1500	MEAN	29.04	29.04	28.97	28.95	28.95	28.95	29.00	29.03	29.04	29.03
	SD	.275	.255	.244	.231	.163	.162	.122	.131	.166	.203
	TOT OBS	333	323	337	324	327	370	365	330	309	305
1800	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0
2100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0
ALL HOURS	MEAN	29.06	29.05	28.99	28.98	28.93	28.93	29.02	29.05	29.06	29.05
	SD	.280	.262	.257	.245	.174	.169	.127	.134	.173	.211
	TOT OBS	1007	973	1021	982	1013	1185	1124	1178	972	953

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

WOLK FLD ANGB HI

PERIOD OF RECORD: AUG 73 - JUL 88

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0	0	0	0	0	0	0	0	0	0
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0	0	0	0	0	0	0	0	0	0
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0	0	0	0	0	0	0	0	0	0
29.00	29.00	28.99	29.04	29.07	29.08	29.08	29.05	29.05	29.04
.260	.184	.175	.130	.136	.173	.213	.251	.284	.224
322	339	334	375	397	324	318	263	282	4013
28.98	28.93	28.98	29.02	29.06	29.06	29.06	29.03	29.05	29.03
.245	.171	.169	.126	.132	.172	.212	.243	.284	.215
336	347	401	384	401	339	330	272	292	4111
28.95	28.96	28.96	29.00	29.03	29.04	29.03	29.01	29.04	29.00
.231	.163	.162	.122	.131	.166	.203	.238	.269	.211
324	327	390	365	390	309	305	261	269	3923
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0	0	0	0	0	0	0	0	0	0
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0	0	0	0	0	0	0	0	0	0
28.98	28.93	28.93	29.02	29.06	29.06	29.05	29.03	29.05	29.03
.245	.174	.169	.127	.134	.173	.211	.245	.280	.217
982	1013	1185	1124	1174	772	953	796	843	12047

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## PART G

### CROSSWIND SUMMARY

#### CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

PERIOD OF RECORD  
MONTH: JAN

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES +  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A				0				0	3.8			41.0
CATEGORY B				0				0	5.5	1.2		41.0

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	4.6	.1		1011	4.1			72.9				0
CATEGORY B	4.3	1.3	.1	1011	5.3	2.3		72.9				0

.....

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18	GE26
CATEGORY A	4.3	.1		316.3	4.3	.1	
CATEGORY B	7.4	1.6	.1	316.3	7.4	1.6	.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

NAME: VOLK FLD ANGR WI  
: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JAN

KEY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

KEY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
			0	3.9			418	4.2	.3		1011
			0	5.5	1.2		419	8.0	1.5	.1	1011

1500 - 1700				1800 - 2000				2100 - 2300			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
	4.1		728				0				0
	5.3	2.3	728				0				0

0600 - 2000				ALL HOURS			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
4.3	.1		3168	4.3	.1		3168
7.4	1.6	.1	3169	7.4	1.6	.1	3168

MAGNET II

PERIOD  
MONTH:

CATEGORY 3: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOUR

TIME (LST)	0600 - 2000				ALL	
SPEED KTS	GE10	GE1A	GE2A	DRS	GE10	GE1A
CATEGORY A	5.5	.2		3135	5.5	.2
CATEGORY B	7.3	1.3	.2	3135	7.3	1.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-267

NAME: VOLK FLD ANGB WI  
SITE: + 5

PERIOD OF RECORD: AUG 73 - JUL 98  
MONTH: FEB

COPY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

COPY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500					0600 - 0800				0900 - 1100			
DBS	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS
0				0	4.4			454	5.3	.3		976
0				0	4.6	1.1	.2	454	7.2	1.0	.1	976

1500 - 1700					1800 - 2000				2100 - 2300			
DBS	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS
974	4.2			731				0				0
974	7.4	1.1		731				0				0

0600 - 2000				ALL HOURS			
GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS
5.5	.2		3135	5.5	.2		3135
7.3	1.3	.2	3135	7.3	1.3	.2	3135



PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 5

PERIOD :  
MONTHS :

CATEGORY 1: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY 3: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOUR)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0700		
SPEED (KTS)	GE10	GE18	GE26	035	GE10	GE18	GE26	035	GE10	GE18	GE26
CATEGORY A				0				0		7.5	
CATEGORY B				0				0		12.5	2.5

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000		
SPEED (KTS)	GE10	GE14	GE26	035	GE10	GE13	GE26	035	GE10	GE13	GE26
CATEGORY A	13.7	.4		1034	12.7	.3		669			
CATEGORY B	21.7	5.2	1.1	1034	13.7	1.4	.4	667			

TIME (LST)	0600 - 2000				ALL	
SPEED KTS	GF10	GF18	GF26	185	GF10	GF18
CATEGORY A	11.9	.3		3125	11.9	.3
CATEGORY B	13.2	5.1	.3	3125	13.2	5.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

NAA

VOLK FLD ANGR WI

PERIOD OF RECORD: AUG 73 - JUL 88

ECI

MONTH: MAR

1: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

2: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS
			0	7.5			398	11.1	.3		1024
			0	12.5	2.5		398	16.4	5.1	.4	1024

1300 - 1700

1800 - 2000

2100 - 2300

GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS
12.7	.3		669				0				0
19.2	3.4	.4	667				0				0

0500 - 2000

ALL HOURS

GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS
11.9	.3		3125	11.9	.3		3125
13.2	5.1	.5	3125	13.2	5.1	.5	3125

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726435

PERIOD OF 6  
MONTH: APR

CATEGORY 3: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES)

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000		
SPEED (KTS)	GE10	GE18	GE26	G35	GE10	GE18	GE26	G35	GE10	GE18	GE26
CATEGORY A	15.3	.6		994	15.8	1.0		539			
CATEGORY B	22.5	7.2	.5	994	26.3	6.3	1.0	539			

TIME (LST)	0500 - 2000				ALL		
SPEED KTS	GE10	GE18	GE26	GRS	GE10	GE18	GE26
CATEGORY A	13.7	.5		2993	13.7	.5	
CATEGORY B	23.4	5.4	.7	2993	23.4	5.4	.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

NAME: VOLK FLD ANGR WI  
Z: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: APR

ANY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

ANY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

WIND	GE10	GE18	GE26	OBS	WIND	GE10	GE18	GE26	OBS	WIND	GE10	GE18	GE26	OBS
0				0	7.2	.2			433	12.6	.1			977
5				0	10.9	1.6	.2		433	22.0	4.7	.6		977

1500 - 1700

1800 - 2000

2100 - 2300

WIND	GE10	GE18	GE26	OBS	WIND	GE10	GE18	GE26	OBS	WIND	GE10	GE18	GE26	OBS
15.8	1.0			539					0					0
26.3	6.3	1.0		539					0					0

0600 - 2000

ALL HOURS

WIND	GE10	GE18	GE26	OBS	WIND	GE10	GE18	GE26	OBS
13.7	.5			2993	13.7	.5			2993
23.4	5.4	.7		2993	23.4	5.4	.7		2993

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUM

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 5

PERIOD OF RE  
MONTH: MAY

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE13	GE26	OBS	GE10	GE13	GE26	OBS	GE10	GE13	GE26	OBS
CATEGORY A				0				0	3.6	.1		64
CATEGORY B				0				0	6.0	1.5	.1	64

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE13	GE26	OBS	GE10	GE13	GE26	OBS	GE10	GE13	GE26	OBS
CATEGORY A	11.3	.4		1024	11.2	.2		463				
CATEGORY B	20.3	4.9	.6	1024	17.9	4.1		463				

.....

TIME (LST)	0500 - 2000				ALL HOURS			
SPEED KTS	GE10	GE13	GE26	OBS	GE10	GE13	GE26	OBS
CATEGORY A	3.6	.2		3134	3.6	.2		
CATEGORY B	15.4	3.4	.3	3134	15.4	3.4	.3	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 099-269

NAME: VOLK FLD ANGB WI  
UTC: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500					0600 - 0800				0900 - 1100			
OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
0				0	3.6	.1		668	7.9			1029
0				0	6.0	1.5	.1	668	15.5	2.8	.3	1029

1500 - 1700					1800 - 2000				2100 - 2300			
OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
1024	11.2	.2		463				0				0
1024	17.0	4.1		463				0				0

0500 - 2000					ALL HOURS			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	
3.6	.2		3134	3.6	.2		3134	
15.4	3.4	.3	3134	15.4	3.4	.3	3134	

OPERATING LOCATION "AM"  
USAFCTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGR WI  
LST TO UTC: + 6

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MONT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (H

TIME (LST)	0000 - 0200				0300 - 0500				0600		
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	OBS
CATEGORY A				0				0	3.6		
CATEGORY B				0				0	5.7	.9	

TIME (LST)	1200 - 1400				1500 - 1700				1800 -		
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	OBS
CATEGORY A	10.0	.1		1193	10.0	.3		759			
CATEGORY B	14.2	4.9	.3	1198	16.0	3.6	.1	759			

TIME (LST)	0800 - 2000				ALL	
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18
CATEGORY A	2.1	.1		3937	4.1	.1
CATEGORY B	13.3	3.0	.1	3930	13.3	3.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-267

NAME: VOLK FLD ANG W I  
+ 5

PERIOD OF RECORD: AUG 73 - JUL 86  
MONTH: JUN

Y A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

Y A: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
			0	3.6			776	7.1			1127
			0	5.7	.9		776	11.6	2.1		11-7

1500 - 1700				1800 - 2000				2100 - 2300			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
10.0	.3		759				0				0
10.0	0.5	.1	759				0				0

2400 - 2000				ALL HOURS			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
2.1	.1		3230	3.1	.1		3930
13.3	3.0	.1	3930	13.3	3.0	.1	3930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNET II

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD: 1  
MONTH: 1

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY 3: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOUR)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0700		
SPEED (KTS)	GE10	GE13	GE26	PRS	GE10	GE13	GE26	PRS	GE10	GE13	GE26
CATEGORY A				0				0	1.4		
CATEGORY B				0				0	2.7	.3	

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000		
SPEED (KTS)	GE10	GE14	GE26	JRS	GE10	GE14	GE26	JRS	GE10	GE14	GE26
CATEGORY A	7.1			1146	4.5			632			
CATEGORY B	12.4	1.2		1146	7.0	1.0		632			

TIME (LST)	0500 - 2000				ALL	
SPEED KTS	0510	0513	0525	785	0510	0518
CATEGORY A	4.6			3734	4.6	
CATEGORY B	3.3	3.5		3704	3.3	3.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

NAME: VOLK FLD ANGB WI  
LOC: + 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: JUL

TRY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

TRY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500					0600 - 0800					0900 - 1100				
WS	GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS		GE10	GE13	GE26	DBS	
0				0	1.4			739		4.4				1137
0				0	2.7	.3		739		8.4	.5			1137

1500 - 1700					1800 - 2000					2100 - 2300				
WS	GE10	GE13	GE26	DBS	GE10	GE13	GE26	DBS		GE10	GE13	GE26	DBS	
146	4.5			642				0						0
146	7.0	1.0		622				0						0

0400 - 2000					ALL HOURS				
GE10	GE13	GE26	DBS		GE10	GE13	GE26	DBS	
4.5			3704		4.6			3704	
4.3	.3		3704		8.3	.5		3704	

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNW

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANDR WI  
LST TO UTC: + 5

PERIOD OF RECD  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES +

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS
CATEGORY A				0				0	2.8			773
CATEGORY B				0				0	4.3	1.0	.1	773

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS	GE10	GE18	GE26	DBS
CATEGORY A	5.3			1193	5.6	.1	.1	690				
CATEGORY B	10.5	1.3	.2	1193	9.3	1.4	.1	690				

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE18	GE26	DBS	GE10	GE18	GE26
CATEGORY A	5.1	.1	.0	3453	5.1	.1	.0
CATEGORY B	7.9	1.3	.1	3453	7.9	1.3	.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 039-269

TO: VOLK FLD ANGR WI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: AUG

1. ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

2. HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

GE10	GE18	GE26	DRS	GE10	GE18	GE26	DRS	GE10	GE18	GE26	DRS
			0	2.8			773	4.5	.2		1197
			0	4.3	1.0	.1	773	7.0	1.5	.1	1197

1500 - 1700

1800 - 2000

2100 - 2300

GE10	GE18	GE26	DRS	GE10	GE18	GE26	DRS	GE10	GE18	GE26	DRS
5.5	.1	.1	690				0				0
9.3	1.4	.1	690				0				0

0500 - 2000

ALL HOURS

GE10	GE18	GE26	DRS	GE10	GE18	GE26	DRS
5.1	.1	.0	3453	5.1	.1	.0	3453
7.7	1.3	.1	3453	7.7	1.3	.1	3453

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 5

PERIOD OF RECORD  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLY + 5)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A				0				0	2.3			542
CATEGORY B				0				0	4.4	1.2	.2	542

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	2.3			998	5.4			463				0
CATEGORY B	16.3	3.5	.1	998	12.1	2.4	.2	463				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	5.0	.0		3091	5.0	.0		3091
CATEGORY B	11.2	2.3	.1	3091	11.2	2.3	.1	3091

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

W: MILK FLD ANGE WI  
E: 5

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: SEP

BY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

BY S: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
			0	2.3			642	5.0	.1		938
			0	4.4	1.2	.2	642	10.0	1.7	.1	938
1500 - 1700				1800 - 2000				2100 - 2300			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
5.4			453				0				0
12.1	2.4	.2	453				0				0
0000 - 2000				ALL HOURS							
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS				
5.0	.0		3091	5.0	.0		3091				
11.2	2.3	.1	3091	11.2	2.3	.1	3091				

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SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCC) FOR VOLK 6 6

FIELD ANGB WISCONSIN AIR FORCE ENVIRONMENTAL

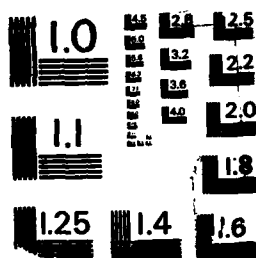
TECHNICAL APPLICATIONS CENTER (COT) AFB IL MAY 89

UNCLASSIFIED

USAFETAC 89-89 203

F 1 4 2

NL





OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUN

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RE  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A				0				0	4.5			59
CATEGORY B				0				0	7.4	2.3	.3	59

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	10.3	.2		980	7.7			439				
CATEGORY B	20.7	3.8	.4	980	14.1	2.5		439				

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	8.3	.1		2983	8.3	.1		
CATEGORY B	15.5	3.3	.3	2993	15.5	3.3	.3	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

1: VOLK FLD ANGB WI  
+ 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: OCT

2: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

3: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
			0	4.5			597	9.0	.1		967
			0	7.4	2.3	.3	597	15.9	3.8	.4	967

1500 - 1700				1900 - 2000				2100 - 2300			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
	7.7		439				0				0
	14.1	2.5	439				0				0

0600 - 2000				ALL HOURS			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
3.3	.1		2983	8.3	.1		2983
15.5	3.3	.3	2983	15.5	3.3	.3	2983

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + S

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A				0				0	4.0			273
CATEGORY B				0				0	7.0	2.9		273

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	7.2	.4		810	3.1	.2	.2	544				0
CATEGORY B	14.9	3.3	.6	810	9.9	1.7	.2	544				0

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18	GE26
CATEGORY A	5.4	.2	.0	2429	5.4	.2	.0
CATEGORY B	12.2	2.8	.4	2429	12.2	2.9	.4

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

VOLK FLD ANGB WI

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: NOV

1: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

2: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
			0	4.0			273	5.5			902
			0	7.0	2.9		273	12.8	3.1	.5	902

1500 - 1700

1800 - 2000

2100 - 2300

GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
3.1	.2	.2	544				0				0
9.9	1.7	.2	544				0				0

0600 - 2000

ALL HOURS

GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
1.4	.2	.0	2429	5.4	.2	.0	2429
2.2	2.8	.4	2429	12.2	2.9	.4	2429

OPERATING LOCATION "A"  
USAFETAC, ASHFVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RU

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A				0				0	3.9			2
CATEGORY B				0				0	7.4	.4	.4	2

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	3.7	.1		855	2.1	.2		526				
CATEGORY B	9.9	.8	.2	855	4.8	1.0	.2	526				

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	3.6	.1		2517	3.6	.1		
CATEGORY B	7.6	.9	.2	2517	7.6	.9	.2	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

NAME: VOLK FLD ANGB WI  
Z: + 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: DEC

TRY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

TRY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100				
OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
0				0	3.9			284	4.3	.1		852
0				0	7.4	.4	.4	284	7.2	1.1	.1	852

	1500 - 1700				1800 - 2000				2100 - 2300			
OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
855	2.1	.2		526				0				0
155	4.8	1.0	.2	526				0				0

0600 - 2000				ALL HOURS			
GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
3.6	.1		2517	3.6	.1		2517
7.6	.9	.2	2517	7.6	.9	.2	2517

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HE

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPEC

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A				0				0	3.8	.0		6455
CATEGORY B				0				0	6.1	1.3	.1	6455

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	9.0	.2		12217	7.3	.2	.0	7293				0
CATEGORY B	15.9	3.3	.4	12217	12.3	2.7	.2	7293				0

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
CATEGORY A	7.1	.1	.0	38112	7.1	.1	.0	3811
CATEGORY B	12.2	2.6	.2	39112	12.2	2.6	.2	3911

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 089-269

WOLK FLD ANGB WI  
# 6

PERIOD OF RECORD: AUG 73 - JUL 88  
MONTH: ALL

A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
			0	3.8	.0		6455	6.8	.1		12147
			0	6.1	1.3	.1	6455	11.8	2.4	.2	12147

1500 - 1700

1800 - 2000

2100 - 2300

GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
7.3	.2	.0	7293				0				0
12.3	2.7	.2	7293				0				0

0600 - 2000

ALL HOURS

GE10	GE18	GE26	OBS	GE10	GE18	GE26	OBS
7.1	.1	.0	38112	7.1	.1	.0	38112
12.2	2.6	.2	38112	12.2	2.6	.2	38112



PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RP	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

H - I - I

## PART H

### DEGREE DAY SUMMARIES

#### DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

#### HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

#### COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 6

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD:

.....  
YEARS       JAN       FEB       MAR       APR       MAY       JUN       JUL       AUG       SEP       OCT       NOV  
.....

MEAN

SD

H - 2 - 1

# HEATING DEGREE DAYS FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

LK FLD ANGR WI

PERIOD OF RECORD: AUG 73 - JUL 88

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
-----	-----	-----	-----	-----	-----	-----	-----	-----

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE

STATION NUMBER: 726436

STATION NAME: VOLK FLD ANGB WI  
LST TO UTC: + 6

PERIOD OF RECORD

.....  
YEARS            JAN        FEB        MAR        APR        MAY        JUN        JUL        AUG        SEP        OCT        NOV  
.....

.....  
MEAN

SD

H - 3 - 1

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

NAME: VOLK FLD ANGB WI  
C: + 6

PERIOD OF RECORD: AUG 73 - JUL 88

APR MAY JUN JUL AUG SEP OCT NOV DEC ANN

A W S STATION NAME: VOLK FLD ANGB WI  
 CLIMATIC BRIEF LATITUDE/LONGITUDE: 43 56 N 090 16 W  
 (LIMITED) HOURLY OBS POR: AUG 73 - JUL 88  
 SUMMARY OF DAY POR: JUN 64 - AUG 88  
 HOURS SUMMARIZED: 0700 - 1700 LST  
 MAY 89 LST TO UTC: +06

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
② EXTRM MAX TEMP (F)	54	62	82	96	94	100	102	104	96	91
② MEAN MAX TEMP (F)	23.3	29.9	40.7	58.2	71.3	79.5	83.9	81.7	72.7	61.5
② MEAN TEMP (F)	13.2	18.9	30.3	46.3	58.2	66.9	71.3	69.1	60.2	49.7
② MEAN MIN TEMP (F)	3.1	8.0	19.8	34.4	45.1	54.3	58.6	56.5	47.7	38.0
② EXTRM MIN TEMP (F)	-42	-40	-30	3	21	32	40	34	19	10
MEAN DEWPOINT TEMP (F)	7.1	12.0	22.2	32.5	46.2	55.3	61.4	59.9	51.3	39.6
MEAN WET BULB TEMP (F)	14.9	20.6	30.9	42.9	54.5	62.0	67.2	64.9	56.7	46.3
99.95% WCPA (FT)	1650	1600	1650	1650	1400	1400	1250	1200	1350	1450
MEAN REL HUM 07 LST(%)	69.3	67.6	67.5	63.5	67.9	70.6	72.5	79.3	80.0	75.7
MEAN REL HUM 13 LST(%)	60.1	56.7	54.5	47.3	49.2	53.3	54.6	58.8	60.5	57.9
② MAX 24HR PRECIP (IN)	1.23	1.00	1.86	2.68	2.78	4.51	4.55	4.27	4.72	2.35
② MAX PRECIP (IN)	4.08	2.80	4.31	6.73	7.40	9.46	9.48	12.43	11.56	6.60
② MEAN PRECIP (IN)	.90	.89	1.93	2.91	3.68	4.12	3.65	3.77	3.81	2.19
② MIN PRECIP (IN)	.14	.07	.30	.60	.93	1.06	.16	.34	.42	#
② MAX 24HR SNFL (IN)	10.0	9.7	13.1	10.3	.8	0	0	0	#	1.2
② MAX SNFL (IN)	30.5	28.2	31.6	14.2	1.5	0	0	0	#	2.0
② MEAN SNFL (IN)	10.4	7.9	10.0	1.9	.1	0	0	0	#	.1
MEAN SFC WND DIR (DEG)	300	300	300	330	180	300	300	180	300	300
MEAN WND SPD (KTS)	6.4	6.3	8.0	8.5	6.8	6.9	5.6	5.5	6.3	6.8
② MAX WND SPD (KTS)	48	58	45	51	55	63	56	65	44	49
SKY COVER GT 1/2 (%)	63.0	66.4	65.0	64.9	62.0	58.5	54.0	58.3	56.0	63.7
② D/W THUNDERSTORMS	#	#	1	3	6	8	7	7	5	2
② D/W FOG (VSBY LT 7 MI)	11	11	11	9	8	8	9	13	13	10
② D/W MEAS. PRECIP	8	7	10	10	11	11	10	9	9	8

LEGEND: ANN = ANNUAL POR/YOR = PERIOD/YEARS OF RECORD  
 D/W = MEAN NUMBER OF DAYS WITH WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE  
 & = BASED ON LESS THAN FULL MONTHS # = LESS THAN 0.5 DAYS OR TRACE AS APPL  
 \*\* = INSTANTANEOUS PEAK WINDS % = PERCENTAGE OF CALM WINDS GREATER TH  
 \* = DATA NOT AVAILABLE WIND DIRECTION

REMARKS : ② SUMMARY OF DAY (SOD) DATA WERE SUPPLEMENTED FROM THE FOLLOWING SOURCES:

1. CLIMATOGRAPHY OF THE UNITED STATES (NUMBER 20) FOR SPARTA WI, SOD POR: JAN 51
2. RUSSWO AND AWS CLIMATIC BRIEF (FEB 86) FOR LA CROSSE WI, SOD POR: MAR 48 - AU

OLK FLD ANGB WI  
DE: 43 56 N 090 16 W  
AUG 73 - JUL 88  
OR: JUN 64 - AUG 88  
0700 - 1700 LST

FIELD ELEV: 910 FT  
STATION MSC: 726436  
CALL SIGN: KVOK  
SUPERCEDES: FEB 86

FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
62	82	96	94	100	102	104	96	91	76	63	104	41
29.9	40.7	59.2	71.3	79.5	83.9	81.7	72.7	61.5	43.3	29.3	56.3	41
19.9	30.3	46.3	58.2	66.9	71.3	69.1	60.2	49.7	34.4	20.8	44.9	41
3.0	19.8	34.4	45.1	54.3	58.6	56.5	47.7	38.0	25.4	12.3	33.6	41
-40	-30	3	21	32	40	34	19	10	-18	-30	-42	41
12.0	22.2	32.5	46.2	55.3	61.4	59.9	51.3	39.6	27.8	14.7	37.5	15
20.6	30.9	42.9	54.5	62.0	67.2	64.9	56.7	46.3	35.0	21.1	44.7	15
1600	1550	1650	1400	1400	1250	1200	1350	1450	1600	1650	1500	15
67.6	67.5	63.5	67.9	70.6	72.5	79.3	80.0	75.7	73.8	73.6	72.3	15
56.7	54.5	47.3	49.2	53.3	54.6	58.8	60.5	57.9	60.1	64.7	56.2	15
1.00	1.86	2.68	2.78	4.51	4.55	4.27	4.72	2.35	2.22	1.79	4.72	41
2.80	4.31	6.73	7.40	9.46	9.48	12.43	11.56	6.60	4.88	2.96	44.11	41
.89	1.93	2.91	3.68	4.12	3.65	3.77	3.81	2.19	1.56	1.12	30.53	41
.07	.30	.60	.93	1.06	.16	.34	.42	#	#	.30	17.47	41
9.7	13.1	10.3	.8	0	0	0	#	1.2	11.0	13.1	13.1	41
23.2	31.6	14.2	1.5	0	0	0	#	2.0	12.6	30.9	91.4	41
7.9	10.0	1.9	.1	0	0	0	#	.1	3.7	8.9	43.0	41
300	300	330	180	300	300	180	300	300	300	300	300	15
6.3	8.0	8.5	6.8	6.9	5.6	5.5	6.3	6.8	6.9	6.4	6.7	15
58	45	51	55	63	56	65	44	49	48	48	65	22
65.4	65.0	64.9	62.0	59.5	54.0	58.3	56.0	63.7	68.0	66.8	62.0	15
#	1	3	6	8	7	7	5	2	1	#	40	41
11	11	9	8	8	9	13	13	10	11	13	127	41
7	10	10	11	11	10	9	9	8	8	9	110	41

POR/YOR = PERIOD/YEARS OF RECORD  
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE  
# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE  
% = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION  
NO DATA WERE SUPPLEMENTED FROM THE FOLLOWING SOURCES:  
OF THE UNITED STATES (NUMBER 20) FOR SPARTA WI, SOD POR: JAN 51 - DEC 80.  
S CLIMATIC BRIEF (FEB 86) FOR LA CROSSE WI, SOD POR: MAR 48 - AUG 85.



		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY									
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
LST											
CIG	06 - 08	34.0	33.7	37.7	24.7	22.0	16.9	15.2	25.0	26.5	26.8
LT 3000 FT	09 - 11	30.8	33.2	34.9	25.6	18.3	17.9	12.7	20.6	27.4	28.0
AND/OR	12 - 14	28.5	29.8	28.8	23.2	15.5	15.0	8.8	15.4	24.2	25.2
VSBY	15 - 17	29.7	27.0	26.0	19.9	12.7	10.1	6.2	10.9	16.6	19.4
LT 3 MI	ALL	30.2	30.8	31.3	23.6	17.4	15.3	10.8	18.1	24.6	25.6
LST											
CIG	06 - 08	21.8	21.8	25.6	17.6	13.6	10.6	12.2	19.9	19.9	18.4
LT 1500 FT	09 - 11	21.1	23.0	21.0	14.0	9.0	8.9	6.8	11.9	16.1	14.4
AND/OR	12 - 14	16.9	18.2	15.6	9.9	6.2	4.8	2.8	6.6	11.1	10.8
VSBY	15 - 17	15.4	14.4	13.5	9.3	4.5	3.5	2.5	5.5	6.0	9.1
LT 3 MI	ALL	18.5	19.3	18.2	12.2	8.4	6.9	5.8	10.7	13.8	13.2
LST											
CIG	06 - 08	14.8	15.9	17.1	12.5	9.0	7.5	7.3	12.9	15.1	13.4
LT 1000 FT	09 - 11	13.4	15.8	13.9	9.8	5.7	5.3	3.0	6.2	10.6	9.4
AND/OR	12 - 14	11.2	9.0	10.9	6.6	3.2	2.2	1.0	4.3	6.5	6.0
VSBY	15 - 17	10.6	8.4	10.0	5.4	2.2	1.9	1.6	3.2	3.0	5.0
LT 2 MI	ALL	12.2	12.0	12.5	8.3	5.1	4.1	3.0	6.4	9.1	8.4
LST											
CIG	06 - 08	2.4	1.3	2.5	1.6	.7	.1	.3	1.0	2.0	1.5
LT 200 FT	09 - 11	1.7	1.4	1.6	.6	.2	.0	.2	.0	.2	.3
AND/OR	12 - 14	.9	.7	.9	.1	.0	.1	.2	.0	.1	.3
VSBY	15 - 17	.7	.4	.6	.0	.0	.1	.1	.1	.0	.0
LT 1/2 MI	ALL	1.3	1.0	1.2	.5	.2	.1	.2	.2	.5	.6

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD 1900 - 1986: NONE

	PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY											
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
.7	37.7	24.7	22.0	16.9	15.2	25.0	26.5	26.8	38.1	43.0	28.6	15
.2	34.9	25.6	18.3	17.9	12.7	20.6	27.4	28.0	38.0	38.5	27.2	15
.8	28.8	23.2	15.5	15.0	8.8	15.4	24.2	25.2	34.9	34.2	23.6	15
.0	26.0	19.9	12.7	10.1	6.2	10.9	16.6	19.4	28.1	32.5	19.9	15
.3	31.3	23.6	17.4	15.3	10.8	18.1	24.6	25.6	34.8	36.3	24.0	15
.5	25.6	17.6	13.6	10.6	12.2	19.9	19.9	18.4	22.3	29.9	19.5	15
.0	21.0	14.0	9.0	8.9	6.8	11.9	16.1	14.4	20.8	27.1	16.2	15
.2	15.6	9.9	6.2	4.8	2.8	6.6	11.1	10.8	17.7	21.5	11.8	15
.4	13.5	9.3	4.5	3.5	2.5	5.5	6.0	9.1	12.5	17.7	9.5	15
.3	18.2	12.2	8.4	6.9	5.8	10.7	13.8	13.2	18.1	23.6	13.5	15
.9	17.1	12.5	9.0	7.5	7.3	12.9	15.1	13.4	13.9	21.1	13.4	15
.8	13.9	9.8	5.7	5.3	3.0	6.2	10.6	9.4	14.7	19.4	10.6	15
.3	10.9	6.6	3.2	2.2	1.0	4.3	6.5	6.0	12.7	15.1	7.4	15
.4	10.0	5.4	2.2	1.9	1.6	3.2	3.0	5.0	7.7	11.8	5.9	15
.0	12.5	8.3	5.1	4.1	3.0	6.4	9.1	8.4	12.4	16.5	8.7	15
.3	2.5	1.6	.7	.1	.3	1.0	2.0	1.8	1.5	3.2	1.5	15
.4	1.6	.6	.2	.0	.2	.0	.2	.3	.2	2.8	.8	15
.7	.9	.1	.0	.1	.2	.0	.1	.3	.4	2.2	.5	15
.4	.6	.0	.0	.1	.1	.1	.0	.0	.9	2.1	.4	15
.0	1.2	.5	.2	.1	.2	.2	.5	.6	.6	2.5	.7	15

1 FOR THE PERIOD 1900 - 1986: NONE

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